SILVER COINAGE OF THE ARTAXIAD DYNASTY OF ARMENIA

Y. T. Nercessian

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PREFACE

On 16 November 1999, I received a letter from Mr. Arthur Houghton where he asked if I would be interested in doing a die study of tetradrachms and drachms of Tigranes II. Naturally, my response was yes. I was not about to turn my back on the study of any Armenian coins.

For the past thirty years I had never worked on any kind of Armenian numismatic article which has been this lengthy and time absorbing. The time allocated for photographing, photocopying, research in numismatic books and sale and auction catalogues has far exceeded the expectations. The correspondence and printed hard copies of e-mails related only to this subject has been more than two inches thick.

Most collectors and museum curators have been extremely cooperative in sending photographs and data on the silver coins of Tigranes II. However, it should be emphasized that the bulk of the images were re-photographed from books and sale and auction catalogues, and data was extracted from the same sources.

It must be mentioned that in the catalogue the presented weight, diameter, and die axis orientation are given as they have been printed in their original publications. In some cases, where a coin has changed hands a few times, the weight of the listed coin differs in other catalogues. All of them are given. For many coins the catalogues do not offer a diameter. Scaling the diameter from a published numismatic illustration would not be an accurate scientific work even if the image is of actual size.

A die classification is a more accurate method to classify a coin. Unfortunately, because of the limited availability of information, all known coins could not be classified here.

In preparation of the catalogue of Tigranes II silver coins, the help of Dr. François de Callataÿ was extremely generous. Without his help, the catalogue presented here would not be as complete as it is. Also, his original die study on silver coins of Tigranes served as a model for the catalogue presented in "Silver Coins of Tigranes II of Armenia."

When the original paper was published in *Armenian Numismatic Journal* (2000), some curators, collectors, and friends have suggested this work be published as a monograph rather than an article.

Thereafter, die study works on silver coins of Artavasdes II, Artaxias II, Tigranes III, and Artavasdes IV of Armenia were prepared and published in *Armenian Numismatic Journal* (March and December 2003).

These three papers were updated to incorporate the information of the past five years and integrated into one die study book, *Silver Coinage of the Artaxiad Dynasty of Armenia*. As of 2005, these are the only known silver coin types attributed to the kings of the Artaxiad dynasty of Armenia.

Author

ACKNOWLEDGMENTS

I am extremely grateful to Dr. François de Callataÿ for sending a complete photocopy of his files which included all silver coins of Tigranes the Great and reading the manuscript, answering my endless questions very patiently, and also for being an inspiration in the die study of Tigranes' silver coins.

I am indebted to Mr. Arthur Houghton first for being instrumental of this project getting started, second, sending me the photographs of Tigranes the Great silver coins from his files, and also for retrieving information and photographs from various museums (ANS, BM, and Damascus).

I owe a deep gratitude to Dr. Ruben Vardanyan, curator and director of Numismatic Section of the History Museum of Armenia,

Erevan, for sending me a list and a complete set of photographs of the silver coins of Tigranes II and counterfeit coins of Artavasdes II.

I am very grateful to Mme Dominique Gerin for mailing me information on metrological data and a set of Polaroid pictures of Tigranes the Great silver coins preserved in the Bibliothèque Nationale de France and for her endless patience in answering all of my questions on their coins; Mr. and Mrs. Gary Lind-Sinanian for mailing me the photographs and negatives of Tigranes the Great silver coins preserved in the Armenian Library and Museum of America, Watertown, MA and patiently answering all of my questions; Mr. H. S. Kim, Keeper of Greek Coins, for mailing me the Polaroid pictures of Tigranes the Great silver coins preserved in the Ashmolean Museum, Oxford, and patiently answering all of my questions; Mr. Douglas Mudd of Smithsonian Institution, NNC, Washington, D.C.

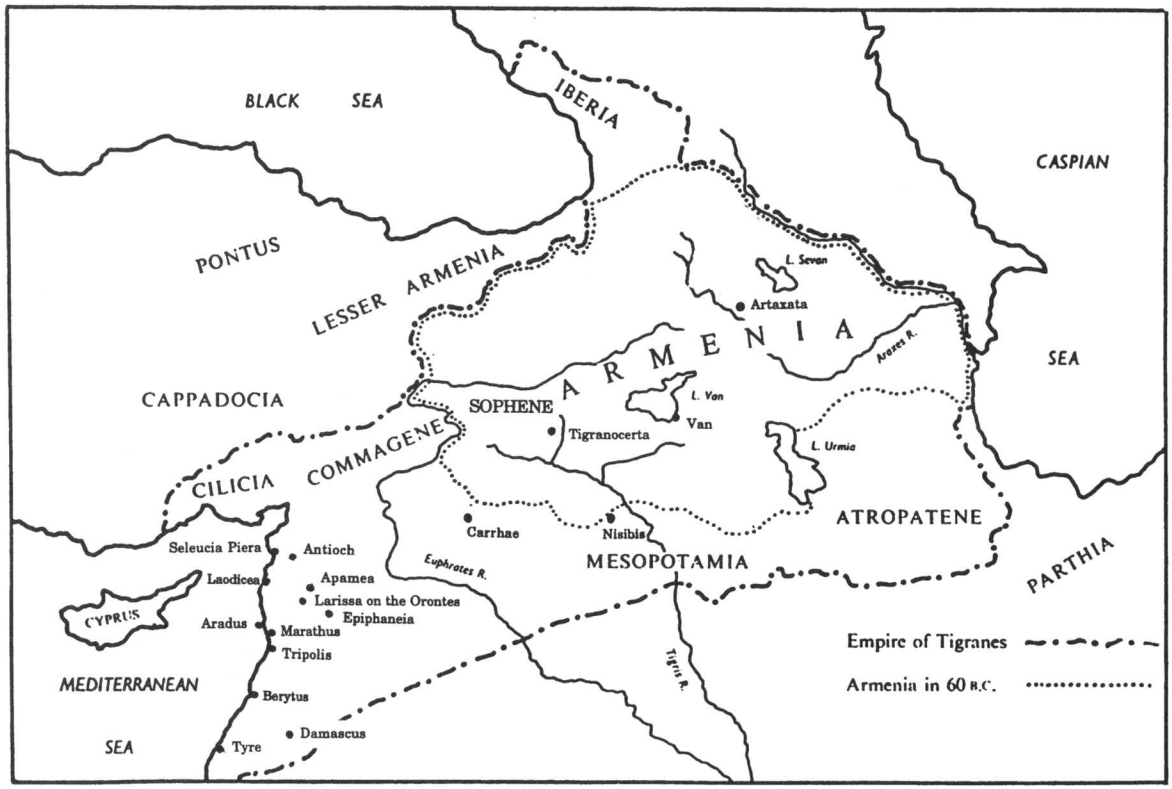
I would like to extend my thanks to numerous collectors who are noted only with their initial letters in this book. All of them were very gracious and sent me photographs and information relating to their collections which are listed in this corpus. Unfortunately, their names cannot be revealed because of security concern.

I am very grateful to Mr. Joel L. Malter for permitting me to conduct research in his vast numismatic library and Mr. Robert Freeman for allowing me to review his sale and auction catalogues.

The following have sent fixed price and auction catalogues and catalogue photocopies: American Numismatic Society, American Numismatic Association, Harlan J. Berk, Ltd., Bourgey, Classical Numismatic Group, Inc., Kirk Davis, Empire Coins, Rob Freeman of Freeman and Sear, Giessener Münzhandlung (Gorny), Gerhard Hirsch Nachf., Frank L. Kovacs, Sabine Kannenberg of Fritz Rudolf Künker Münzhandlung, Numismatik Lanz, Malter Galleries, Dmitry Markov, Bernhard Schulte of Münzen und Medaillen A.G., Numismatica Ars Classica A.G., Palladium Numismatics and Artifacts, Busso Peus Nachfolger, Nick Economopoulos and Pegasi Numismatics, Fred B. Shore, Spink and Son, Ltd., Vicken Yegparian of Stack's/Coin Galleries, Edward J. Waddell, Ltd., and others whose names I have forgotten.

Finally, I wish to thank my elder son Terenik for editing and proofreading the galleys.

Y. T. NERCESSIAN



Map of Historic Armenia

HISTORICAL BACKGROUND

Tigranes II (95-56 B.C.)

Tigranes II,[1] the grandson of Artaxias I and son of Tigranes I,[2] was taken hostage when Armenia was defeated by Parthia.[3] When Tigranes I died in 96 B.C., the Armenian nobility requested the return of his son from Parthia. The Parthian king Mithridates II freed Tigranes, demanding in return "seventy valleys" in the southeast of Armenia, near the border with Media.[4]

During the reign of Tigranes II the Great, Armenia acquired unsurpassed wealth[5] and a vast empire. According to historians, the borders of his empire stretched from the Mediterranean Sea to the Caspian Sea and Black Sea to the Syrian desert, Lebanon, and Palestine.[6]

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[1] The biography of Tigranes the Great has been reconstructed mostly from scattered references by Y. T. Nercessian and L. A. Saryan, "Overstruck and Countermarked Coins of the Artaxiad Dynasty of Armenia," ANJ, Series I, Vol. XXII (June-September 1996), Nos. 2-3, pp. 23-62, pls. I-VI; also reprinted in *Armenian Numismatic Studies* (Los Angeles, 2000), pp. 150-206, pls. 37-46. Some convenient secondary sources include Paul Z. Bedoukian, *Coinage of the Artaxiads of Armenia* [CAA] (London, 1978), pp. 12-14; and Y. T. Nercessian, *Armenian Coins and Their Values* [ACV] (Los Angeles, 1995), pp. 57-58.

[2] *Soviet Armenian Encyclopedia*, Vol. XI (Erevan, 1985), p. 697 (in Armenian).

[3] Justin, xxxviii, 3, 1; Strabo, xvi, 1, 19 (745).

[4] Strabo, xi, 14, 15 (532); *History of the Armenian People*, Vol. I (Erevan, 1971), p. 556 (in Armenian).

[5] According to historical sources, when Lucullus had occupied all the treasures and looted Tigranocerta with his troops, 800 drachms silver were given to each Roman soldier as his share of the spoil from the booty of Tigranocerta. H. Manandian, *Tigrane II et Rome* (Lisbon, 1963), p. 121, also *A Critical Survey of the History of the Armenian People*, Vol. I (Erevan, 1944), pp. 200-207 (in Armenian).

[6] *History of the Armenian People*, Vol. I, pp. 558-565.

Tigranes II ascended the throne of the Artaxiad dynasty in 95 B.C. (some prefer 96/95 B.C.)[7] when he was forty-five years old (date of birth c. 140 B.C.).[8] His regnal period covers a span of forty years (95-56 B.C.). When his son, Artavasdes II ascended the throne, his father was alive.[9] According to H. Manandian[10] and *Soviet Armenian Encyclopedia*,[11] he was considered co-ruler. Therefore, it is possible that his silver coins were struck during the rest of his regnal period. Even after the looting of Tigranocerta by Lucullus[12] in 69 B.C. and his payment of war indemnity to Pompey[13] in 66 B.C. from the treasury of Sophene,[14] according to Manandian, his supply of coins in the treasury of Artaxata mostly remained untouched. One would surmise that numerous coins were buried as a saving treasure or perhaps as a coin collection and historians have been exposed to them for more than two thousand years.

Artavasdes II (56-34 B.C.)

Artavasdes II succeeded his father Tigranes II the Great.[15] Armenia and Rome were allies due to the peace treaty signed between Tigranes and Pompey. Rome was planning an invasion of Parthia.

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[7] *Soviet Armenian Encyclopedia*, Vol. XI, p. 697.

[8] Plutarch, *Lucullus,* 21, 7; *Soviet Armenian Encyclopedia*, Vol. XI, p. 697.

[9] *Pro Sestio,* 27, 59.

[10] Manandian, *A Critical Survey of the History of the Armenian People*, Vol. I, p. 245 (in Armenian); and *Collected Works*, Vol. I (Erevan, 1977), p. 243 (in Armenian).

[11] *Soviet Armenian Encyclopedia* (Erevan, 1976), Vol. II, p. 144 (in Armenian).

[12] Plutarch, xxix, 3; J. de Morgan, *A History of the Armenian People* (Boston, 1965), pp. 91-96; *History of the Armenian People* (Erevan, 1971), Vol. I, pp. 588-589 (in Armenian).

[13] Strabo, xi, 14, 10 (530); Plutarch, *Pompey,* xxxiii, 3-4; Appian, *Mithridates,* 104; Manandian, *Tigrane II et Rome*, pp. 183-194.

[14] Manandian, *A Critical Survey of the History of the Armenian People*, p. 236; *Collected Works*, p. 234.

[15] For a detailed biography of Artavasdes II see Manandian, *A Critical Survey of the History of the Armenian People*, Vol. I, pp. 245-283; *History of the Armenian People*, Vol. I (Erevan, 1971), pp. 603-626 (in Armenian); *Soviet Armenian Encyclopedia* (Erevan, 1976), Vol. II, p. 144 (in Armenian); Bedoukian, CAA, pp. 25-28; Nercessian, ACV, pp. 74-75; Nercessian and Saryan, "Overstruck and Countermarked Coins of the Artaxiad Dynasty of Armenia," ANJ, Ser. I, Vol. XXII (June-September 1996), Nos. 2-3, p. 27; also reprinted in *Armenian Numismatic Studies*, pp. 156-157.

Artavasdes advised the Romans to invade Parthia through Armenia. Crassus ignored the advice of Artavasdes, advanced through Syrian plains, and lost the battle.

Antony began to recapture the lands Rome had lost. Eventually, Artavasdes, his queen and two sons were captured by treachery, put in chains, and taken to Egypt as prisoners.[16]

Artaxias II (34-20 B.C.)

Artavasdes' eldest son, Artaxias, who was left behind in Armenia, was crowned king by the Armenian nobles in 34 B.C.[17] However, he could not put up an organized resistance against Rome, and escaped to Parthia for refuge.

In 30 B.C., Artaxias II returned to Armenia with the assistance of the Parthians. He regained the Artaxiad throne and avenged the death of his father, Artavasdes II, by putting all Romans to the sword. Artaxias ruled ten years without interference from Rome. In 20 B.C., upon Rome's interference, the pro-Roman party assassinated Artaxias.

Western scholars and some Armenian historians consider the regnal period of Artaxias II to be 30-20 B.C., when he returned to Armenia from his Parthian refuge. A few other Armenian historians consider his regnal period to be 34-20 B.C., when he was crowned as king of Armenia.[18] Apparently, Artaxias II did the same since on his newly discovered drachms there is the inscription of IΔ (14), if we accept these letters as his regnal year when the coin was struck.

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[16] Manandian, *A Critical Survey of the History of the Armenian People*, Vol. I, pp. 245-283; *History of the Armenian People*, Vol. I, pp. 603-626; *Soviet Armenian Encyclopedia* (Erevan, 1976), Vol. II, p. 144 (in Armenian).

[17] H. K. Armen, "Artaxias II," *Fall of the Artaxiad Dynasty of Armenia* (Beirut, 1983), pp. 131-151 (in Armenian).

[18] Armen, *The Fall of the Artaxiad* Dynasty, p. 121; Fr. Vahan Hovhannessian, *History of the Armenians* (Venice, 1974), Vol. 4 pp. 155-156 (in Armenian); Simon Simonian, *History of the Armenians* (Beirut, 1961), Vol. IV, p. 101 (in Armenian).

Tigranes III (20-8 B.C.)

In 20 B.C., Tigranes III, one of the brothers of Artaxias II who was taken prisoner to Rome, was crowned king of Armenia.[19] Armenia was now completely under the Roman sphere of influence.

In 8 B.C., Tigranes IV was placed on the Artaxiad throne without the consent of Rome. In B.C. 5 he was dethroned.

In 5 B.C., Artavasdes III, the third son of Artavasdes II, ascended the throne of Armenia with the support of the Roman army. The Armenians resented Roman interference and with the assistance of Parthia expelled Artavasdes and the Roman army from Armenia.

In 2 B.C., Tigranes IV returned from Parthia and with the assistance of the Parthians recaptured his throne. He ruled Armenia with his half sister and queen Erato. Apparently arrangements were made for Tigranes to receive his crown from Augustus. However, in A.D. 1 he was killed in a war against the barbarians from the north.

Artavasdes IV (A.D. 4-6)

Erato ruled the country for a few years. In A.D. 2, Caius Caesar offered the throne of Armenia to Ariobarzanes of Atropatene. This was not acceptable to the Armenians. Caius Caesar crushed the rebellion, but he was wounded and two years later Ariobarzanes died accidentally. In A.D. 4, the throne was offered to Artavasdes IV, the son of Ariobarzanes. Artavasdes IV also was not acceptable to the Armenians. The Armenian nobility rebelled and assassinated this foreign king.

Tigranes IV, Artavasdes III, Tigranes IV and Erato, issued only copper coins. Apparently the country was in poor economic condition and tetradrachms or drachms were not issued. Artavasdes IV issued silver coins.

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[19] For a good discussion of historical events covering Tigranes III to Artaxias III, see Manandian, *A Critical Survey of the History of the Armenian People*, Vol. I, pp. 291-311; Jacques de Morgan, *The History of the Armenian People* (Boston, 1965), pp. 108-109; Vahan M. Kurkjian, *A History of Armenia* (New York, 1964), pp. 88-89; Nina Garsoïan, "The Emergence of Armenia," *The Armenian People from Ancient to Modern Times*, Ed. Richard G. Hovannisian (Los Angeles, 1997), Vol. I, pp. 61-62.

Artaxias III (A.D. 18-34)

During A.D. 6-34, Tigranes V (A.D. 6), Vonones (A.D. 8-16), and Artaxias III (A.D. 18-34) occupied the throne of Armenia. We have only copper coins from Tigranes V and Erato. In A.D. 8, Vonones was king of Parthia; the Parthians expelled him. Vonones took refuge in Armenia. Tetradrachms and drachms inscribed with his name were struck in Parthia while he was king there and according to the Parthian tradition. He was not acceptable to the Armenians and he was forced to flee from Armenia.

Germanicus crowned Zeno as king of the Armenians. He was given the name Artaxias III (A.D. 18-34). He did not strike Armenian coins inscribed with his name. However, there are Roman silver coins commemorating the coronation of Artaxias by Germanicus. Following the reign of Artaxias III, Armenia had three more foreign rulers on the throne of the Artaxiads. They did not issue coin. The Artaxiad dynasty of Armenia lasted 250 years. It is beyond the scope of this paper to make a die study on Roman coins. Roman silver coins of Germanicus/Germanicus-Artaxias is presented for a closure.

SURVEY OF MAJOR NUMISMATIC WORKS

Tigranes II

The silver tetradrachms of Tigranes II are perhaps the most plentiful of his coins. It is one of the most common coins. It is not known exactly which historian or numismatist made the earliest study on silver coins of Tigranes II. As early as 1664, Ezechiel Spanhem mentioned the title of "King Tigranes" of Armenia;[1] in 1671, he published[2] a tetradrachm of Tigranes for the first time. Thereafter, beginning in the nineteenth century, intense activity takes place by western scholars and numismatists on the coinage of the Artaxiads of Armenia.[3]

In 1859, V. Langlois was the first to publish a major and comprehensive study on ancient Armenian coins.[4] In this work he included not only the coins of the Orontid and Artaxiad dynasties of Armenia, but also the coins of Armenian satraps, Arsacids, Roman coins relating to Armenia, and the coins of Edessa. His book contained numerous inaccuracies.

In 1890, E. Babelon[5] published his widely appreciated work which described ten tetradrachms and one drachm of Tigranes II, includ-

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[1] E. Spanhem, *Dissertatio de praestantia et usu numismatum antiquorum* (Rome, 1664), pp. 115, 132, 137.

[2] E. Spanhem, *Dissertationes de praestantia et usu numismatum antiquorum* (Amsterdam, 1671), Vol. I, pp. 454-457.

[3] For a list of scholars see Y. T. Nercessian, *Armenian Numismatic Bibliography and Literature* (Los Angeles, 1984), pp. 192-317.

[4] V. Langlois, *Numismatique de l'Arménie dans l'antiquité* (Paris, 1859), xx, 87 pp., 6 pls.

[5] E. Babelon, *Les Rois de Syrie, d'Arménie et de Commagène* (Paris, 1890), Vol. I, pp. CXCI-CCVII, 211-216, 268; pl. XXIX.

ing a tetradrachm with "King of Kings" title and a tetradrachm struck in the Damascus mint. Babelon, based on epigraphic evidence, suggested that the Phoenician principle of dating (111 B.C. as the reference date) used in Tripolis and Sidon, was employed on the drachms of Tigranes. His tetradrachms and drachms with "King of Kings" title were dated based on this principle.

In 1902, G. MacDonald published his study on the coinage of Tigranes the Great.[6] MacDonald proposed to divide the coinage of Tigranes into three periods: undated tetradrachms with "King Tigranes" title, dated coins with "King of Kings Tigranes" inscription, and coins with "King Tigranes" title but of inferior style.

In 1968, Bedoukian published a paper where he presented a classification of the coins of the Artaxiad dynasty of Armenia.[7] After a decade of additional research and study, his monograph, *Coinage of the Artaxiads of Armenia*, was published in 1978.[8] Here Bedoukian catalogued around 300 silver coins of Tigranes II. Bedoukian's corpus is based on the specimens found in museums, private collections, and sale and auction catalogues. Bedoukian's pioneering work is a typological study. Among all published scholarship on the coinage of Tigranes the Great, Bedoukian's study is the most detailed and orderly. Continued research is needed within the sphere of Greek and particularly Seleucid coinage to elucidate questions such as field letters, monograms, and ultimately the precise mints and chronology.

In 1986, C. Foss published his lengthy paper on the coinage of Tigranes the Great with a new classification chiefly for the copper coins.[9] Foss proposed twelve new classification groups of silver tetradrachms, based on numismatic evidence. He suggested that sev-

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[6] G. MacDonald, "The Coinage of Tigranes I," *Numismatic Chronicle*, Series IV, Vol. II (1902), pp. 193-201. Reprint, ANJ, Ser. I, Vol. V (1979), pp. 13-22 (Armenian summary).

[7] P. Z. Bedoukian, "A Classification of the Coins of the Artaxiad Dynasty of Armenia," American Numismatic Society *Museum Notes*, Vol. XIV (1968), pp. 41-66; also in SNS [I], pp. 113-141. Expanded Armenian translation, *Coinage of the Artaxiads of Armenia* (Vienna, 1969); also in SNS [I], pp. 396-428 (in Armenian).

[8] Bedoukian, CAA, xii, 81 pp., 6 pls.; Armenian translation (Vienna, 1983).

[9] C. Foss, "The Coinage of Tigranes the Great: Problems, Suggestions and a New Find," *Numismatic Chronicle*, Vol. CXLVI (1986), pp. 19-66, pls. 5-7.

eral mints were in use, and that most active of these were Antioch for the tetradrachms and Artaxata for the drachms (this was already well established), Tigranocerta for the imperial bronze, and Nisibis for the royal minor coinage. Also, Foss suggested a mint travelling with the armies of Tigranes.

In 1994, 1996, and 1999, Y. T. Nercessian published some papers on the silver coins of Tigranes II, first to capture a dispersed hoard, then to prove that coins with comet ornament on the tiara were struck in a satellite mint of Damascus or at a mint under the jurisdiction of Damascus mint magistrates.[10]

In 1997, F. de Callataÿ published his doctoral dissertation dedicated to Mithridatic Wars.[11] The book includes two chapters and three plates on the silver coins of Tigranes II. It is the first and a thorough die study. The catalogue of 49 obverse and 192 reverse tetradrachm dies of Tigranes include: a description of the type of a characteristic example, number of coins per obverse and reverse dies, reference to the original source, metrological data (weight and diameter), die axis orientation, reference to the plates if the dies are illustrated, counterfeits, and estimation of original coins from the dies.

"Silver Coins of Tigranes II of Armenia"[12] is basically an expansion of the work done in this area by Dr. Paul Z. Bedoukian, Dr. François de Callataÿ and the writer of this note. Additional unknown material, including drachms as well as tetradrachms of all

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[10] Y. T. Nercessian, "A «Hoard» of Silver Coins of Tigranes II" [N], *Armenian Numismatic Studies* (Los Angeles, 2000), pp. 12-54, pls. 2-23, reprinted from ANJ, Ser. I, Vol. XX (March 1994), No. 1, pp. 3-12, pls. I-IV; and in *Bazmavep,* Vol. CLIII (1995), Nos 1-4, pp. 230-270, 15 pls. (in Armenian with English summary); "Tigranes the Great of Armenia and the Mint of Damascus" [YN Damascus mint], *Armenian Numismatic Studies*, pp. 95-109, pls. 26-27, reprinted from ANJ, Ser. I, Vol. XXII (1996), No. 1, pp. 3-12 and in *Haigazian Armenological Review*, Vol. 19 (1999), pp. 155-170 (in Armenian with English summary); "A Classification of the Tetradrachms of Tigranes the Great," *Armenian Numismatic Studies*, pp. 117-132, pls. 28-33, reprinted from ANJ, Ser. I, Vol. XXV (March 1999), No. 1, pp. 3-12, pls. I-II.

[11] F. de Callataÿ, *L'histoire des guerres mithridatiques vue par les monnaies* [C] (Louvain-la-Neuve, Belgium, 1997), XIII + 480 pp., 5 maps, LIV plates.

[12] Y. T. Nercessian, "Silver Coins of Tigranes II of Armenia" ANJ, Ser. I, Vol. XXVI (December 2000), Nos. 3 and 4, pp. 43-108, pls. 1-10.

mints, is included following Callataÿ's format with some modifications.

In 1999, Anahit Mousheghian and Georges Depeyrot co-authored their book on ancient Armenian coinage.[13] This book presents a new corpus of the Armenian issues of the Hellenistic and Roman periods. Despite the effort consumed on this book, its impressive appearance, format, and promising objective, it disregards the research of several previous scholars, including Ernest A. Babelon, George MacDonald, Paul Z. Bedoukian, and Khatchadour A. Mousheghian. The book is full of contradictions, improper attributions, and suffers considerably from typographical errors and the lack of proof reading. In the words of one reviewer, "despite some promising content, [the book] appears in a certain sense to be a setback."[14]

Artavasdes II

The silver tetradrachms and drachms of Artavasdes II are rare. In fact, his entire coinage does not reflect the coins issued by a king who ruled more than two decades. One explanation is that when Artavasdes II ascended the throne, his father, Tigranes II, was still alive,[15] and most likely, his father's coins were in circulation. According to Manandian and *Soviet Armenian Encyclopedia*, he was considered co-ruler. Perhaps at the beginning of his reign, there were sufficient coins in circulation which did not require the striking of coins with the portrait of a new ruler. However, twenty-two years is a long period to show so few coins.

In 1847, J. Bartholomaei[16] was the first numismatist who published a line drawing of silver drachm of Artavasdes II in St.

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[13] A. Mousheghian, G. Depeyrot, *Hellenistic and Roman Armenian Coinage (1st C. B.C.- 1st C. A.D.)* [MD] (Wetteren, The Netherlands, 1999), 256 pp., 8 pls. (bilingual in English and Armenian).

[14] V. Matiossian, "The Coinage of Sophene and Commagene: Nothing New Under the Sun," ANJ, Ser. I, Vol. XXVI (2000), No. 1, pp. 17-20.

[15] Manandian, *A Critical Survey of the History of the Armenian People*, Vol. I, p. 245; *Soviet Armenian Encyclopedia*, Vol. II, p. 144.

[16] J. de Bartholomaei, "Drachme inédite d'Artavasde, roi d'Arménie," *Mémoires de la Sociéte d'Archéologie et de Numismatique de St. Petersbourg*, Vol. VII (1849), pp. 179-181, illus.; *Zeitschrift für Münz- Siegel und Wappenkunde*, Vol. III (1849), pp. 179-181, illus.

Petersburg (**Plate 94,** a4-p9a). In 1859, Victor Langlois[17] published the first comprehensive study on ancient Armenian coins. In this work he reprinted[18] the drachm that Bartholomaei had published. In 1872, Percy Gardner[19] published the drachm of Artavasdes which was bequeathed to the British Museum by Mr. Woodhouse, on his death in 1866. This is the same coin published by Bartholomaei and Langlois. In 1890, E. Babelon[20] published his famous work where he described numerous coins of Tigranes II. Additionally, he described the above mentioned drachm of Artavasdes.

In 1919, Jacques de Morgan published his book on Armenian history, in French (1919), later in Armenian (1947) and English (1965)[21] translations. He offered a new drawing of an Artavasdes silver drachm (**Plate 93**, a2-p7a).

In 1936, K. J. Basmadjian published his famous book on Armenian general numismatics. Basmadjian reprinted de Morgan's line drawing.[22] Also we read in the footnote that this coin was in the collection of Nishan Kalebjian, which later became part of the K. Baghdadlian collection. Paul Z. Bedoukian purchased the Baghdadlian collection in 1968,[23] and most of the Bedoukian collection was donated to the Armenian Library and Museum of America in 1999.[24]

In 1964, Kh. A. Mousheghian[25] published his paper on the Artavasdes II tetradrachm found in the village of P'arak'ar (**Plate 92,**

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[17] V. Langlois, *Numismatique de l'Arménie dans l'antiquité*, xx, 87 pp., 6 pls.

[18] *ibid.* pl. III, pp. 33-34, pl. III, No. 1.

[19] Percy Gardner, "On an Unpublished Coin of Artavasdes II., King of Armenia," *Numismatic Chronicle,* New Series, Vol. XII (1872), pp. 9-15, pl. I, No. 1.

[20] E. Babelon, *Les Rois de Syrie, d'Arménie et de Commagène*, Vol. I, pp. CXCI-CCVII, 211-216, 268; pl. XXIX.

[21] de Morgan, *The History of the Armenian People*, p. 103.

[22] K. J. Basdmadjian, *Numismatique générale de l'Arménie* (Venice, 1936), p. 37 and footnote 1 (in Armenian).

[23] Paul Z. Bedoukian, "Fifty Years of Armenian Numismatics: An Autobiography," SNS II, pp. 1-17, reprinted from ANJ, Series I, Vol. XX (March 1994), No. 1, pp. 13-22.

[24] ALMA, "Bedoukian Donates His Coin Collection to Armenian Library and Museum of America," ANJ, Vol. XXVI (June 2000), No. 2, pp. 22-23.

[25] Kh. A. Mousheghian, "The Tetradrachm of Artavasdes II," *Patma-Banasirakan Handes*, Vol. XVII (1964), No. 2 (25), pp. 317-323 (in Armenian); English translation

A3-P3a). In this article, next to page 320, there are two plates. The first plate is the Artavasdes tetradrachm enlarged 3X. The second plate includes the photographs of four drachms enlarged 2X: No. 1 Tigranes II,[26] Nos. 2-4 Artavasdes II. Drachms Nos. 1-3 belong to the Armenian Historical Museum in Erevan. The first two Artavasdes drachms (Nos. 2-3) were part of the *Sarnakounk Hoard* described below by Mousheghian (**Plates 92** and **93**, a1-p1a and a1-p2a). The third Artavasdes drachm belonging to the Erevan Museum (Fig. No. 4) is believed to be a counterfeit (**Plate 94**, c/f a1-p1a).

In 1968, Paul Z. Bedoukian[27] published his preliminary study on the coinage of the Artaxiad dynasty which was translated and published by the Mekhitarist Congregation in Vienna as a series of articles and later as a book.[28] Bedoukian illustrated in his plates a tetradrachm and a drachm of Artavasdes. At the time Bedoukian stated, "Of the eight specimens known to the author, all have the same monogram but different letters in the field."

In 1973 Mousheghian published his book dedicated to the study of the hoard unearthed in the village of Sarnakounk (IGCH 1746[29] and CH 105[30]), Sissian District, found in 1945, around 150 km south east of Erevan, Armenia. Mousheghian published two drachms of Artavasdes (**Plates 92** and **93**, a1-p1a and a1-p2a). The estimated burial date is 30-25 B.C. The hoard was discovered in a pot and dispersed among the villagers. Initially, in 1946, 37 pieces were turned into the Erevan Museum and this group was described by A.

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by L. A. Saryan, "The Tetradrachm of Artavasdes II (56-34 B.C.) of Armenia," *Journal of the Society for Armenian Studies*, Vol. 8 (1995), pp. 103-116.

[26] For Tigranes II drachm, see **Plate 81,** a3-p3a.

[27] Bedoukian, "A Classification of the Coins of the Artaxiad Dynasty of Armenia," ANS *Museum Notes*, Vol. XIV (1968), pp. 41-66, pls. IX-XI; also in SNS [I], pp. 113-141.

[28] Paul Z. Bedoukian, *Coinage of the Artaxiad Dynasty of Armenia* (Vienna, 1969); also in SNS [I], pp. 396-428 (in Armenian).

[29] M. Thompson, O. Mørkholm, C. M. Kray, editors, *An Inventory of Greek Coin Hoards* [IGCH] (New York, 1973).

[30] M. J. Price, editor, *Coin Hoards* [CH] (London, 1975).

Shahnazarian,[31] who noted only one drachm at that time. But by 1963, 373 silver pieces of this hoard were assembled in the History Museum and Dr. Kh. A. Mousheghian[32] was able to study the entire hoard.[33] Recently, a summarized version of this study was published in English.[34] Mousheghian concluded that the treasure could possibly have belonged to a travelling merchant. The hoard is preserved in the History Museum of Armenia, Erevan.

In 1978, Paul Z. Bedoukian published his monograph, *Coinage of the Artaxiads of Armenia*.[35] Here Bedoukian catalogued one tetradrachm and ten drachms of Artavasdes—at that time virtually all the known examples. The tetradrachm belonged to the History Museum of Erevan. Nine of the drachms had "ς" field letter and one of them "Z" letter.

In 1983 Mousheghian published his book on coins circulated in Armenia. Here the Artavasdes tetradrachm discovered in Armenia is described again and collections where the drachms are preserved are mentioned.[36]

In 1983, in *Revue des Etudes Arméniennes*, Paul Z. Bedoukian[37] published a study to document hitherto unpublished coins of the Artaxiads of Armenia. Here he published the second tetradrachm of

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[31] A. Shahnazarian, "The Coin Hoard Discovered Near Sarnakounk' Village of Sissian District," *Ashkhatut'iunner Hayastani Patmut'ian Petakan T'angarani*, Vol. II (1949), pp. 7-35 (in Armenian).

[32] Kh. A. Mousheghian, *The Coin Hoards of Armenia* [CHA] (Erevan, 1973), 184 pp., 70 pls. (in Armenian with summaries in Russian and English).

[33] L. A. Saryan, "The Sarnakounk Hoard: Armenia in the 1st Century B.C.," *Numismatist,* Vol. 105 (April 1992), No. 4, pp. 497-502, 534-536.

[34] Kh. Mousheghian, A. Mousheghian, G. Depeyrot, *History and Coin Finds in Armenia* (Wetteren, 2000), pp. 101-102.

[35] Bedoukian, CAA, xii, 81 pp., 6 pls. and its Armenian translation.

[36] Kh. A. Mousheghian, *The Numismatics in the History of Armenia* (Erevan, 1983), 351 pp., 25 pls. and numerous plate inserts (in Armenian with summaries in Russian and English).

[37] P. Z. Bedoukian, "Some Unpublished Coins of the Artaxiads of Armenia," SNS, II, pp. 70-77, reprinted from *Revue des Etudes Arméniennes*, New Series, Vol. XVII (1983), pp. 279-287, pl. II.

Artavasdes which had surfaced recently and was auctioned in Switzerland.[38]

In 1995, Y. T. Nercessian published his book, *Armenian coins and Their Values*. Three known tetradrachms were published in this book and also a drachm of Artavasdes with "ς" field letter which was in his collection.[39] He indicated that there are 12 known drachms of this type.[40]

In 1999, Anahit Mousheghian and Georges Depeyrot co-authored their book on the coinage of the Artaxiad dynasty.[41] In their catalogue they included all known coins (the last piece duplicated) but in the plates published one tetradrachm and three drachms of Artavasdes which were published previously.

In 2004, Ruben Vardanyan published his book, *Coinage of Artavasdes II.*[42] The book is strictly dedicated to Artavasdes silver tetradrachms and drachms, and copper coins. The monograph for the first time has brought together all the coins issued by Artavasdes into one volume. The photographic plates include three silver tetradrachms and ten drachms.

Artaxias II

The known silver drachms of Artaxias II consist of four pieces. All of them were discovered recently in a Parthian coin hoard. The provenance and the date of discovery remain unknown.

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[38] Bank Leu AG Zürich, *Auktion 30: Antike Münzen* (Zurich, April 1982), top cover and p. 38 and pl. 12, No. 201.

[39] Nercessian, ACV, pp. 75-76, Nos. 123 and 124, pl. 10; pp. 195, Nos. 4a and 4b, pl. 45.

[40] Nercessian, ACV, p. 76, No. 124.

[41] A. Mousheghian, G. Depeyrot, *Hellenistic and Roman Armenian Coinage (1st C. B.C.- 1st C. A.D.),* pl. 7, Nos. 113-115.

[42] Ruben Vardayan, *Coinage of Artavasdes II* (Erevan, 2004), 138 pp., 12 pls. (in Armenian).

The first drachm surfaced in Beirut[43] and was purchased by Col. André Ronde of Paris, French Military Attaché in Beirut, and described in a short essay in 1997.[44]

The second, third, and fourth travelled to Germany and then to America where they were sold. In 1997, before the second unit was sold in an auction,[45] the third piece was published by L. A. Saryan who assigned it to Artaxias III.[46]

In 1998, disagreeing with the Artaxias III attribution, the author wrote his paper on this subject.[47] The third drachm, a much better preserved piece, was auctioned a year later in 1999.[48]

In 2001, Freeman and Sear published their Fixed Price List 6, where the most attractive drachm of Artaxias II was placed for sale.[49] However, the Freeman and Sear catalogue included a very extensive discussion on the attribution of this superbly attractive drachm.

Some authors suggested that these newly discovered drachms could be counterfeits. Later more on this in the "Counterfeits" section , "Analysis" chapter.

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[43] Lratu Aghbiwrner, "Discovery of Artaxias II Silver Coin," *Asbarez*, Vol. 87 (October 20, 1995), No. 10,115, p. 5 (in Armenian).

[44] A. Ronde, H. Torossian, "Une drachme inédite (?) d'Artaxes II, roi d'Arménie (30-20 av. J.-C.), *Bulletin de la Société Française de Numismatique*, Vol. 52 (February 1997), No. 2, pp. 25-26.

[45] Classical Numismatic Group, Inc., *Auction: Mail Bid Sale* 46 (June 1998), p. 76, No. 693.

[46] L. A. Saryan, "An Unpublished Silver Drachm Attributed to Artaxias III (A.D. 18-34) of Armenia," *American Journal of Numismatics*, Second Series, Vol. 9 (1997), pp. 7-16.

[47] Y. T. Nercessian, "A Silver Coin of Artaxias II (30-20 B.C.)," *Armenian Numismatic Studies* (Los Angeles, 2000), pp. 133-137, reprinted from ANJ, Vol. XXIV (September 1998), No. 3, pp. 29-31, pl. III.

[48] Classical Numismatic Group, Inc., *Auction: Mail Bid Sale* 51 (September 1999), p. 87, No. 768.

[49] Freeman and Sear, *Fixed Price List* 6 (Summer 2001), No. F70, plate illustration 70.

Tigranes III

Only a singular drachm of Tigranes III has been known and that was first published by Edward T. Newell in 1926.[50] It is preserved in the American Numismatic Society Museum, New York. Since then this photographic illustration has been re-photographed by many numismatists and published numerous times. In 1946, H. Kurdian referring to Newell's study on Tigranes III wrote, "The importance of this discovery hastens me to translate the above mentioned study...[into Armenian]."[51] In 1968, Bedoukian published his preliminary research on the coinage of the Artaxiads of Armenia; here and also in 1978, in *Coinage of the Artaxiads of Armenia*, he described the Newell drachm in his studies.[52]

In 1995, Y. T. Nercessian published his *Armenian Coins and Their Values*.[53] In addition to illustrating this unique drachm, the author published a hemidrachm of Tigranes III with Nike reverse.[54]

Artavasdes IV

In 1872, Percy Gardner[55] published the line drawings of several Armenian coins which were bequeathed to the British Museum by Mr. Woodhouse, on his death in 1866. The plate included a drachm of Artavasdes II, a copper of Artavasdes II with Nike reverse, a copper of Tigranes I with warrior design, a silver coin of Artaxias-Germanicus, gold and silver coins of Augustus, and lastly a silver coin of Artavasdes IV/Augustus. In 1890, E. Babelon published his famous book on the Greek coins found in Bibliothèque Nationale, Paris. In the text, in p. CCVI, he described the British Museum

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[50] Edward T. Newell, "Kings of Armenia," *Some Unpublished Coins of Eastern Dynasts* (New York, 1926), pp. 13-15, pl. II, No. 10.

[51] H. Kurdian, "A Newly Discovered Silver Coin of Tigranes III," *Gotchnag*, Vol. XLVI (February 2, 1946), No. 5, pp. 112-113, illus. (in Armenian).

[52] Bedoukian, "A Classification of the Coins of the Artaxiad Dynasty of Armenia," ANS *Museum Notes*, Vol. XV (1968), pp. 41-66, pl. IX-XI; also in SNS [I], pp. 113-141, No. 26; and CAA, No. 137.

[53] Nercessian, ACV, p. 78, No. 134, pl. 10.

[54] Nercessian, ACV, p. 78, No. 135, pl. 10.

[55] Gardner, "On an Unpublished Coin of Artavasdes II., King of Armenia," pp. 9-15.

example and published Percy Gardner's line drawing.[56] In 1899 Warwick Wroth published the catalogue of Greek coins in the British Museum (Galatia)[57] where he described the silver coin of Artavasdes/Augustus donated by Woodhouse. In 1919, Jacques de Morgan published his book on the history of Armenians where he gave a historical background of this period.[58] Next to it, the line drawing of the British Museum drachm was reprinted without a description. In 1936, K. J. Basmadjian published his classic book, *Numismatique générale de l'Arménie*.[59] Basmadjian reprinted Morgan's line drawing and gave a complete description of this British Museum silver coin. In 1968, Paul Bedoukian published the photograph of the British Museum coin.[60] The same study also was translated into Armenian and published by the Mekhitarist Congregation in Vienna as a series of articles and later as a book.[61] In 1971 Bedoukian published his book on Roman coins relating to Armenia.[62] He described in Armenian the Artavasdes IV/Augustus drachm[63] and the Germanicus coins depicting the crowning of Artaxias III.[64]

In 1975, Henry Sarkissian studied all of the coins of Artavasdes IV known to him and published an essay where he described four silver and one copper coins of Artavasdes IV.[65] Sarkissian claimed that six different dies were used to strike the four silver examples,

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[56] Babelon, *Les Rois de Syrie, d'Arménie et de Commagène*, pp. CCXXII + 268; Vol. II, XXXI pls.

[57] Warwick Wroth, *Catalogue of the Greek Coins of Galatia, Cappadocia, and Syria* (London 1899; reprint, Bologna, 1963), pl. XIV-3.

[58] de Morgan, *The History of the Armenian People*, p. 111.

[59] Basdmadjian, *Numismatique générale de l'Arménie*, pp. 40-41.

[60] Bedoukian, "A Classification of the Coins of the Artaxiad Dynasty of Armenia," ANS *Museum Notes*, pl. XI, No. 39; and SNS [I], p. 141, No. 39.

[61] Bedoukian, *Coinage of the Artaxiad Dynasty of Armenia* (Vienna, 1969); also in SNS [I], pp. 396-428 (in Armenian), No. 39.

[62] Paul Z. Bedoukian, *Roman Coins and Medallions Relating to Armenia* (Vienna, 1971), 212 pp., 38 pls. (in Armenian).

[63] *ibid.*, pp. 22-23, No. 2, pl. 1.

[64] *ibid.*, pp. 24-29 Nos. 3-4, pl. 1.

[65] Henry V. Sarkissian, "The Coins of Artavasdes IV, King of Armenians, A.D. 4-6," *Banber Hayastani Arkhivneri*, Vol. XVI (1975), No. 3 (41), pp. 183-190, illus. (in Armenian with Russian summary).

and published the photograph of a copper piece (Artavasdes/ Augustus) discovered in Dalar village in 1965, but with different legends. In 1978, Bedoukian published his *Coinage of the Artaxiads of Armenia*.[66] Bedoukian catalogued in his corpus the same four coins that Henry Sarkissian had described. In 1979, Mousheghian published a catalogue of the Artavazd Sanoyan collection formed during a period of 60 years. The Sanoyan collection, included more than five hundred world coins and medals. The History Museum of Armenia purchased the Sanoyan collection in 1978. The collection included two coins belonging to the Artaxiad dynasty of Armenia. One of them was a drachm of Tigranes II and the other, a drachm of Artavasdes IV described by Henry Sarkissian. Mousheghian made a brief statement on this coin but gave no description or illustration.[67] In 1983, Kh. Mousheghian published his book on coins circulated in Armenia. Here the Historical Museum silver coin of Artavasdes IV is discussed and an enlarged photograph is presented.[68]

In 1995, Nercessian published his *Armenian Coins and Their Values* where he presented a fifth silver coin of Artavasdes IV belonging to the J. Guevrekian collection.[69]

Since the silver coins of these kings are extremely rare, and some have been discovered recently, there are very few studies on their coinage. For example, Basmadjian in his book describes only the Artavasdes silver coin preserved in the British Museum, and not a single word on other examples.

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[66] Bedoukian, CAA, p. 76, No. 163, pl. 8.

[67] Kh. A. Mousheghian, "A Numismatic Collection from Shirak," *Lraber Hasarakakan Gitut'yunneri*, Vol. XL (July 1979), No. 7 (438), pp. 82-111, see No. 50, p. 86 (in Armenian).

[68] Kh. A. Mousheghian, *The Numismatics in the History of Armenia*, pp. 65-66, pl. illus. No. 98, enlarged photographic plate next to p. 98 in insert plates.

[69] Nercessian, ACV, p. 86. No. 180, pl. 13.

SURVEY OF HOARDS

During nineteenth and twentieth centuries, hoards including the coins of Tigranes II the Great have been reported and described. However, the inventory of Tigranes tetradrachms and drachms within the overall structure of hoards has been very scarce. In *Armenian Coin Hoards* there are only ten hoards described in an outlined format.[1] And only two of these include silver coins of Tigranes II. The picture of all known hoards and single finds which include silver coins is presented below.

Hoard 1. *C. Sibilian Hoard* (1876). Fr. C. Sibilian reported the discovery of more than 30 Tigranes tetradrachms.[2] Unfortunately there is no description of the hoard.

Hoard 2. *Alexandropol Hoard* (1900-1909), IGCH 1740.[3] "Several" tetradrachms of Tigranes were discovered in Alexandropol. The estimated burial period is first century B.C. This is reported by Pakhomov.[4]

Hoard 3. *Ani Hoard* (1906, 1908, 1909). All coins discovered in Ani list close to 2000 pieces. The total parcel includes only one drachm of Tigranes the Great.[5]

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[1] Paul Z. Bedoukian, *Armenian Coin Hoards* (Los Angeles, 1987), 64 pp.

[2] Fr. C. Sibilian reported this without any additional information about the content. See Fr. Gregory Manian, "The Sibilian Letters: Some Excerpts from the Letters of Fr. Clement Sibilian Addressed to Fr. Simon Antonian," ANJ, Series I, Vol. IV (1978), pp. 17-28, pls. I-III (in Armenian with excerpts in English). Letter of April 3, 1876, from Constantinople, p. 26; also P. Z. Bedoukian, "Father Sibilian and the Study of Armenian Numismatics," SNS II (Los Angeles, 2003), pp. 326-334, reprinted from ANJ, Series I, Vol. IV (1978), pp. 29-35.

[3] M. Thompson, O. Mørkholm, C. M. Kray, editors, *An Inventory of Greek Coin Hoards*.

[4] E. A. Pakhomov, *Coin Hoards of Azerbaijan and Transcaucasia* (Baku, 1926), Vol. I, p. 39, No. 26 (in Russian).

[5] Kh. A. Mousheghian, "Coins Circulated in the Cities of Ani and Dvin and the Data of Their Synthesis," ANJ, Ser. I, Vol. XV (1989), pp. 113-125, No. 3 (in Armenian with English summary).

Hoard 4. *Teheran Hoard* (1923), IGCH 1813. The hoard included 1600+ silver coins found "near Teheran." Coin No. 35, a tetradrachm of Tigranes II, is not catalogued therein.[6]

Hoard 5. *Ancient Artaxata Hoard* (1926). According to Pakhomov, 2 tetradrachms of Tigranes the Great were found here.[7]

Hoard 6. *Karyagino (Azerbaijan) Hoard* (1934). Pakhomov reported the discovery of 2 tetradrachms belonging to Tigranes the Great.[8]

Hoard 7. *Sarnakounk Hoard* (1945), IGCH 1746 and CH 105.[9] The hoard was unearthed in 1945 in or near the village of Sarnakounk, Sissian District, around 150 km south east of Erevan, Armenia. The estimated burial date is 30-25 B.C. The hoard was discovered in a pot and dispersed among the villagers. Initially, in 1946, 37 pieces were turned in to the Erevan Museum and these were described by A. Shahnazarian.[10] In 1954, Pakhomov also gave a short report on this hoard.[11] But by 1963, 373 silver pieces of this hoard were assembled in the Museum and Kh. A. Mousheghian was able to study the entire hoard.[12]

The reported content of the hoard is as follows: Roman, 225 denarii; Seleucid, 58 tetradrachms; Phoenician, 39 tetradrachms; Parthian, 22 drachms; Armenian, 3 tetradrachms and 7 drachms; Cappadocian 10 drachms; Asia Minor, 8 Cistophori; Alexander the Great, 1 tetradrachm and 1 drachm; Pontus, 1 tetradrachm of Mithridates VI.

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[6] A. Mousheghian, F. de Callataÿ, "Un «nouveau» trésor pour Tigrane II le Grand d'Arménie: un complément méconnu à IGCH 1813 (hiver 1922-3, environs de Téhéran," *Cercle d'Études Numismatiques, Bulletin Trimestriel*, Vol. 35 (January-March 1998), No. 1, pp. 16-20.

[7] E. A. Pakhomov, *Coin Hoards of Azerbaijan* (Baku, 1926), Vol. I, Nos. 25, 26 (in Russian).

[8] E. A. Pakhomov, *Coin Hoards of Azerbaijan* (Baku, 1938), Vol. II, p. 318 (in Russian).

[9] M. J. Price, editor, *Coin Hoards*.

[10] A. Shahnazarian, "The Coin Hoard Discovered Near Sarnakounk' Village of Sissian District."

[11] E. A. Pakhomov, *Coin Hoards of Azerbaijan and Other Republics, Regions, and Districts in the Caucasus* (Baku, 1954), Vol. VI, pp. 10-11, No. 1636 (in Russian).

[12] Kh. A. Mousheghian, *The Coin Hoards of Armenia*.

The Armenian coins are given to: Tigranes II the Great, 3 tetradrachms with one coin having "King of Kings" title, and 5 drachms; Artavasdes II, 2 drachms.

Mousheghian concluded that the treasure could possibly belong to a travelling merchant. The hoard is preserved in the Historical Museum, Erevan.

Hoard 8. *Gavar Hoard* (1940s?), near Lake Sevan. The Gavar find included 7 coins (5 Parthian, 1 Roman and 1 Armenian). One of the coins is a tetradrachm of Tigranes the Great.[13]

Hoard 9. *Minguetchaouri (Azerbaijan) Hoard* (1949). Pakhomov reported the discovery of 2 drachms belonging to Tigranes II.[14]

Hoard 10. *Dvin Hoard* (Date 1955). A single drachm of Tigranes the Great was found here.[15] R. Vardanyan writes that this coin is a **find.**[16] It is discovered in the Upper Artaxata village, 1955.

Hoard 11. *Tovus Hoard* (1955), near Dilijan. The hoard included 6 drachms of Tigranes the Great, 1 drachm of Orodes II (57-38 B.C.), and 3 denarii of Roman Republic, one struck in 32/31 B.C.[17]

Hoard 12. *P'arak'ar Hoard* (1959), near Erevan. The hoard included 3 tetradrachms of Tigranes the Great, 1 tetradrachm of Artavasdes II (56-34 D.C.), 3 denarii of Roman Republic, and 1 drachm of Orodes II (57-38 B.C.).[18] R. Vardanyan notes in his letter[19] that the Artavasdes tetradrachm has been discovered in the P'arak'ar area but is not part of a hoard unearthed by G. Tiratsian.

Hoard 13. *Venice Mekhitarist Hoard* (1960's). According to Bedoukian, these 12 tetradrachms appear to be part of a hoard.[20]

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[13] E. A. Pakhomov, *Coin Hoards of Azerbaijan* (Baku, 1949), Vol. V, No. 1348 (in Russian).

[14] E. A. Pakhomov, *Coin Hoards of Azerbaijan* (Baku, 1954), Vol. VI, p. No. 1548 (in Russian); *Cultural Material of Azerbaijan* (1951, Baku), pp. 143-145 (in Russian).

[15] Kh. A. Mousheghian, A. Mousheghian, G. Depeyrot, *History and Coin Finds in Armenia* [MMD].

[16] Ruben Vardanyan, private letter addressed to Y. T. Nercessian, dated 23 November and 23 December 2004; published in ANJ, Series II, Vol. 1 (2005), pp. 51 and 52.

[17] Kh. A. Mousheghian, A. Mousheghian, G. Depeyrot, MMD, pp. 139-140.

[18] Kh. A. Mousheghian, A. Mousheghian, G. Depeyrot, MMD, pp. 101-102.

[19] Vardanyan, letter addressed to Nercessian, see above, note 16.

[20] Bedoukian, CAA, p. 50, No. 20.

Hoard 14. *Tovus Hoard* (1967). The hoard included two parcels consisting of 102 and 62 pieces of coins. Four of these (2 tetradrachms and 2 drachms) are attributed to Tigranes the Great.[21]

Hoard 15. *Akhalkalaki (Georgia) Hoard.* The discovery of a coin of Tigranes II is reported.[22] Vardanyan writes that this drachm is not from a hoard, it is a single **find**, discovered in Takja village, Akhalkalaki district, 1956, purchased from V. Titizian, 1957.[23]

Hoard 16. *Marneouli (Georgia) Hoard* (date?). The discovery of a drachm of Tigranes the Great is reported.[24] Vardanyan writes that this drachm is not from a hoard, it is a single **find** discovered in Georgia, Marneouli district, near Chanakji village.[25]

Hoard 17. *Syrian Hoard* (1968), IGCH 1577. More than 25 tetradrachms of Tigranes were discovered in Syria and dispersed. The estimated burial period is after 69 B.C.

Hoard 18. *Artaxata Hoard* (1971). A small hoard of Armenian coins was found in the ancient Armenian capital of Artaxata. The hoard is described in detail by Kh. A. Mousheghian.[26] The hoard consisted of 28 silver coins attributed to Tigranes II the Great, of which there was 1 tetradrachm and 27 drachms. The tetradrachm and 26 drachms were inscribed with the "King of Kings" title and one drachm, comet type, had the "King" title.

Hoard 19. *Aygeshat Hoard* (1971), near Etchmiadzin. The single **find** included a drachm of Tigranes the Great.[27]

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[21] H. Martirossian, "From the Diary of an Archaeologist," *Sovetakan Hayastan* (daily), (20 August 1957), No. 196, p. 3, illus. (in Armenian).

[22] Kh. A. Mousheghian, A. Mousheghian, G. Depeyrot, MMD, pp. 47 and 82.

[23] Vardanyan, letter addressed to Nercessian, see above, note 16.

[24] Kh. A. Mousheghian, A. Mousheghian, G. Depeyrot, MMD, p. 82.

[25] Vardanyan, letter addressed to Nercessian, see above, note 16. In original (ANJ 2000) publication of "Silver Coins of Tigranes II of Armenia" work there was an entry under "Hoard 12, Garni Hoard (1955)." Ruben Vardanyan explains that Mousheghian and Depeyrot are mistaken; the coin mentioned in "Hoard 12, Garni Hoard (1955)" is actually "Hoard 16, Marneouli (Georgia) Hoard." Generally, Tigranes II coin discovery from Garni is unknown.

[26] Kh. A. Mousheghian, "The Armenian Hoard of Artaxata," ANJ, Ser. I, Vol. IV (1978), pp. 105-124, pls. XII-XIV (in Armenian with English summary).

[27] Kh. A. Mousheghian, A. Mousheghian, G. Depeyrot, MMD, p. 39.

Hoard 20. *J. Guevrekian Hoard* (1975?). Only 6 tetradrachms of Tigranes II are mentioned. This is a part of 14 tetradrachm hoard mentioned later by Bedoukian.[28]

Hoard 21. *P. Bedoukian Hoard* (1984?). The hoard consists of 34 pieces: Tiribazus, 1 silver coin; Mithridates of Armenia, 3 silver coins; Commagene, 4 copper coins; Tigranes I, 3 copper coins; Tigranes II, 6 tetradrachms, 1 comet drachm, and 14 copper coins; Artavasdes II, 1 copper coin, and Tigranes IV, 1 copper coin. Bedoukian gave a detailed account of this hoard.[29]

Hoard 22. *New York Dealer Hoard* (1987). The hoard consists of 1 tetradrachm and 22 coppers of Tigranes II, reputedly part of a hoard.[30]

Hoard 23. *Y. Nercessian Hoard* (1990). A hoard of silver coins of Tigranes II was discovered in 1990, with an estimated size of 200 pieces. Because of secrecy involved with numismatic hoards, the exact provenance of this hoard remains unknown. Unofficial information places it somewhere between northern Syria and southern Turkey, near Kamishli. Before any data was retrieved and recorded for posterity, the hoard was dispersed to various coin dealers and collectors. Numismatic sale and auction catalogues were reviewed for silver coins of Tigranes II, and collectors who may have possibly purchased them were contacted to prepare the classification of this hoard. Admittedly the list includes some coins which never constituted part of this hoard. The *Nercessian Hoard* classification with two supplements lists 142 tetradrachms and 17 drachms mostly from this hoard.[31]

Hoard 24. *Freeman and Sear Hoard* (2001). The hoard was discovered in early 2001, possibly somewhere in the Middle East. The exact provenance of this hoard remains unknown. The Freeman and Sear firm obtained the package in late spring of 2001. In early 2002, all of the coins were sold and scattered to various collectors.

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[28] Bedoukian, CAA, p. 51, No. 20 and p. 54, No. 44.

[29] Paul Z. Bedoukian, *A Hoard of Copper Coins of Tigranes the Great and a Hoard of Artaxiad Coins* (Los Angeles, 1991), pp. 14-17.

[30] Bedoukian, *A Hoard of Copper Coins of Tigranes the Great,* p. 8, Hoard B.

[31] Nercessian, "A «Hoard» of Silver."

The author was able to catalogue and publish this hoard in 2002 before it was sold.[32] The *Freeman and Sear Hoard* classification is based on this study of Tigranes II silver coins published in 2000. The same group and die numbers have been utilized. All of the 21 tetradrachms have been illustrated in the photographic plate. Also, metrological data has been presented in separate tables.

Hoard 25. *Munich Hoard* (2004/5). According to reliable sources, a very large hoard of Seleucid coins including Tigranes II tetradrachms was discovered and surfaced in Munich in December 2004 or January 2005. Fifty pieces of Tigranes tetradrachms, belonging to this mysterious hoard, has been seen by a few eye witness coin dealers travelling to Munich. Most of the tetradrachms are scattered to various collectors and dealers during the first half of 2005. The exact provenance and the date of this hoard as well as the coin composition remain unknown. One can speculate that it was unearthed in a Near Eastern country.

Hoard Summary. The laws of Near Eastern countries do not encourage reporting hoard discoveries. Governments confiscate coin finds from the hands of the public, thus encouraging secrecy and smuggling. As a result the exact provenance of coin hoards unearthed in this area remains unknown. The above reported hoards which have been discovered in Near Eastern countries do not have exact provenance reported. In fact very few hoards have their unearthing site identified and described in detail. It is very certain that most of them were discovered in Near Eastern countries, south of Armenia proper (southern Turkey, Syria, Lebanon, Palestine, Iraq, or Iran). In summarizing the 25 hoards reported (actually, a few are **single finds**), 30% of the coins discovered in the area of Armenia are tetradrachms, while 70% are drachms. South of Armenia proper, more than 99% of the coins discovered are tetradrachms, and less than 1%, drachms. One can conclude that the dominant and popular silver coin in Armenia was the drachm inscribed with the "King of Kings" title, whereas south of Armenia proper, it was the tetradrachm inscribed with the "King" title.

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[32] Y. T. Nercessian, "A Small Hoard of Tigranes II the Great Tetradrachms," ANJ, Series I, Vol. XXVIII (December 2002), No. 4, pp. 91-96, pl. 2.

CATALOGUE

Cataloguing the Silver Coins

The catalogue[1] compiled in this book includes all of the coins which were accessible to the author either as a photograph, digital image, or a copy of a photograph from a fixed price list or auction catalogue.[2] The author personally examined many of the silver coins of Tigranes II, a few pieces of Artavasdes II and Artaxias II; However, this was a very small percentage of the coins classified. Numerous coins of Tigranes II could not be utilized in our study. For example, in Bedoukian's *Coinage of the Artaxiads of Armenia*, pp. 49-50, under Nos. 17, 19, 20, and 21, more than a hundred coins are classified, yet we have pictures only for four of them. Obviously most of these tetradrachms remained out of our corpus and die study since they lacked photographs.

The classification is based on comparison of king's portrait, tiara (including peaks, beads, and ornaments), star and eagles on tiara, ear and neck flaps and their curvature and necklaces if any; on the reverse, legends, field letters, monograms and their relative locations, Tyche holding the palm-branch and its shape, quadriga (Artavasdes II), Athena or Nike (Artaxias II), epigraphy, borders, and finally the overall appearance.

Numerous coins studied here have been auctioned more than once during the twentieth century. In many cases, each auction house

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[1] The locations of coins are the principal institutions in the cities indicated, New York=American Numismatic Society, London=British Museum, Paris=Bibliothèque Nationale de France, Berlin=Staatliche Museen, Brussels=Bibliothèque Royale Albert, Oxford=Ashmolean Museum, St. Petersburg=Hermitage Museum, Erevan= History Museum of Armenia, Damascus=National Museum of Syria.

[2] A serious effort was made to publish and illustrate all known examples of rare coins: Damascus tetradrachms, comet tetradrachms and drachms, and Artaxata tetradrachms.

had a slightly different weight for the same coin. In cataloguing, the latest auction house (or where the coin is preserved at the time this study was prepared) and its metrological data were used for tabulation and analysis. Based on availability when the complete history is given, the present location or the most recent cataloguing is given first, and the earliest last.

In the catalogue, the first and second columns give the assigned anvil (obverse) and punch (reverse) numbers. The third column is the weight of the coin in grams. The last column gives the history of the coin, metrological data (weight - diameter - die axis orientation) when available, and major references where the subject coin is published or presented. The drachms struck in Artaxata vary slightly; for these, an additional column was created to present the field letters in a tabulated format.

The total number of Artavasdes II, Artaxias II, Tigranes III, and Artavasdes IV silver coins extant is extremely small. For this reason it was decided to illustrate all of them in our photographic plates. Unfortunately, for reasons beyond our control, photographs of all coins of Artavasdes II are not readily available.

For practical reasons only the most useful specimens are illustrated in the photographic plates. A serious effort has been made to present a coin from each representative die but this was not possible since more than half of pictures are mediocre quality photocopies. The enlarged illustrations in the plates are chosen from coin varieties representing significant die groups and extremely well-preserved examples. The plate number with bold letters is indicated at the end of the respective line.

References are given in parentheses. Frequently used abbreviations as reference include CAA—*Coinage of the Artaxiads of Armenia*, by P. Bedoukian (1978); C—*L'histoire des guerres mithridatiques vue par les monnaies*, by F. de Callataÿ (1997); N—"A «Hoard» of Silver Coins of Tigranes II," by Y. Nercessian (1994, 1995, 2000). Published hoards and collections are referenced for the benefit of researcher.

CATALOGUE OF TIGRANES II SILVER COINS (95-56 B.C.)

ANTIOCH MINT

Tetradrachms Struck in Antioch

Obv.: Bust of Tigranes draped r., clean shaven and wearing ornate five-pointed Armenian tiara. A broad diadem knotted at the back encircles the head and falls downward. Divided drapes cover the ear and the neck. The tiara is adorned with an eight-rayed star flanked by two eagles back to back and with heads turned to each other. Floral design to l. and r. of eagles. Fillet border.

Rev.: Tyche of Antioch, draped and wearing a turreted crown, seated r. on a rock, holding a palm-branch in her r. hand; at her feet the upper portion of a youthful male nude figure of the river-god Orontes swimming r. Legend to r. downward ΒΑΣΙΛΕΩΣ; to l. downward ΤΙΓΡΑΝΟΥ. In field and above swimming figure and on the rock various monograms. All within laurel wreath.

Group 1: On rock, monogram ; in r. field, to r. of palm-branch, monogram

A1	P1	a	13.82	MM list 469 (Aug. 1984), 42; (C D1-R1a), **Plate 1**
»	P2	a	15.56	Los Angeles, Freeman and Sear (22 June 2001), (Nercessian, *Freeman and Sear Hoard*, A1-P1.1a), 15.56g-25ø-12h), **Plate 1**
»	P3	a	15.17	Los Angeles, Freeman and Sear (22 June 2001), (Nercessian, *Freeman and Sear Hoard*, A1-P1.2a), (15.17g-25ø-11h), **Plate 1**
»	P4	a	15.61	Naville 12 (18-23 Oct. 1926, *Petrowicz Coll.*-2), 1984 (25ø); (C D1-R2a)

A1	P5	a	15.69	Erevan, Inv. 16383 (26.6ø-12h), Ex-Ter-Hovhannissian coll., **Plate 1**
»	P6	a	15.41	Münz Zentrum 43 (27-30 April 1981), 342; (C D1-R3a)
»	P7	a	15.88	*SNG Lewis*[3] (1972), 1101 (12h); (C D1-R4a)
»	»	b	15.43	Elsen list (Jan. 1986), 26; Elsen list 57 (July 1983), 70; Elsen list 53 (March 1983), 26 (15.43g); J. Schulman list 222 (March 1982), 3168 (15.43g); (C D1-R4b)
»	»	c	15.77	Los Angeles, V. B. coll. (2001), (25ø-1h); Ex-Windsor Antiques, **Plate 1**
»	P8	a	15.60	G. Hirsch 212 (22-24 Nov. 2000), 411, **Plate 1**
»	P9	a	15.80	CNG 36 (5-6 Dec. 1995, *Araratian Coll.*), 547; (N-202), **Plate 1**
»	»	b	15.40	Los Angeles, Y. Nercessian coll. (3 June 2005), Inv. 5673 (15.40g-26ø-12h); Ex-Pars (15.37g-26ø)
»	»	c	15.22	Karen Vardanyan coll. (26.1ø)
»	P10	a	15.7	Karen Vardanyan coll. (27.3ø)
»	»	b	15.9	Karen Vardanyan coll. (25.9ø)
»	P11	a	15.6	Karen Vardanyan coll. (26.5ø), **Plate 2**
»	P12	a	15.66	Auctiones 18 (21-22 Sept. 1989), 850 (15.66g); MM list 404 (Sept. 1978), 18 (15.61g); (C D1-R5a), **Plate 2**
»	P13	a	15.60	Peus 282 (30 Oct.-1 Nov. 1973), 179 (15.60g); Myers 5 (15-16 March 1973), 258; H. Schulman (10-13 Oct. 1972), 225; (C D1-R6a)
»	»	b	15.65	Lanz 62 (26 Nov. 1992), 425 (12h), **Plate 2**
»	P14	a	15.68	Oxford, Oman 1947 (26ø-12h); (C D1-R11a), **Plate 2**
»	»	b	15.65	Spink 102 (2 March 1994, *Donabedian Coll.*), 134 (15.645g)
»	»	c		Palladium 10 (22 Nov. 1995), 141; (N-205)
»	»	d	15.70	Chicago, S. K. coll., Inv. 4 (26ø-12h)

[3] SNG Vol. VI, *The Lewis Collection in Corpus Christi College, Cambridge,* Part I; *The Greek and Hellenistic Coins* (London, 1972), pl. XXIII.

A1	P15	a	15.99	Leu (Winter 1992/3), 93
»	»	b	15.90	Elsen 40 (17 June 1995), 51; (MD pl. 1, 2/B)
»	»	c	15.65	San Bernardino, A. N. coll. (Sept. 2005) ; S. K. coll. (2005), (15.65g-26ø-12h); Ex-Barakat, **Plates 2 (X), 3**
»	»	d	14.93	CNG 14 (20 March 1991), 197 (14.93g); Gorny 50 (24 Sept. 1990), 398 (14.93g); (N-9)
»	»	e	15.42	*SNG Manchester*[4] (1986), 1363 (15.42g-26ø-1h); Naville 10 (15-18 June 1925, *Petrowicz Coll.*), 1562 (15.50g-26ø); (C D1-R9a)
»	P16	a	15.98	Los Angeles, Y. Nercessian coll. (3 June 2005), Inv. 5674 (15.98g-26ø-11h); Ex-Pars (15.97g-26ø); Los Angeles, S. K. coll. (2005), (15.97g-26ø-11h); Ex-Pars, **Plate 3**
»	P17	a	15.60	Lanz 62 (26 Nov. 1992), 426 (12h), **Plate 3**
»	P18	a	14.88	Elsen list 200 (Aug.-Oct. 1998), 63 (14.88g); Elsen list 193 (Sept. 1997), 77 (14.88g); Elsen list 190 (April 1997), 43 (14.88g); Elsen 47 (14 Dec. 1996), 206 (14.88g)
»	P19	a	15.53	G. Hirsch 173 (19-22 Feb. 1992), 495; (N-12), **Plate 3**
»	»	b	15.84	Vienna, Inv. 20784 (26ø-12h)
»	P20	a	15.3	Noble (22-24 July 1997), 1767 (15.3g); Noble (9-11 April 1997), 2160 (15.3g)
»	P21	a	15.4	Karen Vardanyan coll. (26.1ø)
»	P22	a	15.77	Ciani and Florange (17-21 Feb. 1925), 961 (26ø)
»	P23	a	15.78	Spink 102 (2 March 1994, *Donabedian Coll.*), 138 (15.782g), **Plate 3**
»	P24	a	15.25	Washington, DC, G. M. coll. (1978), Inv. 17 (25ø-11h); Ex-Demirjian, **Plate 3**
»	P25	a	16.21	*SNG Milan*[5] (1992), 445, Inv. M.0.9.20174, Brera 3402 (26ø-12h), **Plate 3**

[4] SNG VII Manchester (London, 1986), pl. LII.

[5] SNG Milan, *Milano: Civiche Raccolte Numismatiche*, Vol. XII. *Syria - Bactria et India; 1. Seleucides (reges) - Chalcidice* (Milan, 1992), p. 110, pl. XLIX.

A1	P25	b	15.30	Stack's (8-10 June 1994), 2144
»	P26	a	15.92	Milwaukee, WI, L. S. coll. (1991), (27.5ø-1h); (N-102)
»	P27	a	15.95	CNG 36 (5-6 Dec. 1995, *Araratian Coll.*), 549; (N-201), **Plate 4**
»	»	b	15.87	Hess and Leu 7 (April 1960), 251 (15.87g-12h); Naville 7 (23-24 June 1924, *Bement Coll.*), 1722 (15.86g-26ø); Sotheby, Wilkinson and Hodge (4-9 May 1908, *O'Hagan Coll.*), 702 (15.94g); Ex-Ashburnham coll. 1895; (C D1-R7a)
»	»	c	15.42	Gorny 81 (3 March 1997), 413 (15.42g); Künker 26 (9-11 March 1994), 225 (15.42g)
»	»	d	15.21	Lanz 66 (22 Nov. 1993), 328 (11h); (N-101)
»	»	e	15.79	Elsen 26 (12 Sept. 1992), 350
»	»	f	15.39	Pegasi 110 (16 Nov. 1998), 114
»	»	g	15.64	San Bernardino, A. N. coll. (2005), (15.64g-24ø-11h); Los Angeles, S. K. coll. (2005); Gorny 138 (7-8 March 2005), 1503 (15.65g)
»	P28	a	16.17	Kress 132 (8 Feb. 1965), 283; (Haji Toros,[6] 1969); (C D1-R8a)
»	»	b	15.34	Long Island, NY, H. A. coll. (2002), (15.34g-27ø-12h); CNG 61 (25 Sept. 2002, *Panossian Coll.*), 884; M. P. coll. (1985), (15.35g-26ø-12h)
»	P29	a	15.82	Ex-L. S./G. B. coll. (1994); (N-2)
»	»	b	15.45	Washington, DC, G. M. coll. (1978), Inv. 2 (26ø-11h); Ex-Demirjian
»	P30	a	15.04	CNG 61 (25 Sept. 2002, *Panossian Coll.*), 885 (15.04g); M. P. coll. (1985), (15.07g-26ø-11h)
»	P31	a	15.63	Erevan, Inv. 18981/7, gift by Mazlumian, 1979 (26.2ø-12h), **Plate 4**
»	P32	a	15.88	*Spink N. Circ.*,[7] list (Dec. 1987), 6971; (C D1-R10a), **Plate 4**

[6] Haji Toros, "Tigran's Hoax," SAN, Vol. I (Oct. 1969), No. 2, pp. 29-31.

[7] *Spink Numismatic Circular*, previously published as *Numismatic Circular*, by Spink and Son Ld., London.

A1	P33	a	15.49	Washington, DC, G. M. coll. (1975), Inv. 4 (15.49g-27.5ø-12h); Demirjian list 4 (1975), 82; (CAA p. 50-17), **Plate 4**
»	»	b	15.23	Berlin, Löbbecke (1906), Inv. 7965.45 (27ø-12h)
»	»	c	15.83	Chicago, S. K. coll. (2001), Inv. 8 (25.3ø-12h); G. Hirsch 218 (28-30 Nov. 2001), 442 (15.84g)
»	P34	a	15.77	Berlin, Löbbecke (1906), Inv. 7965.45 (25ø-12h)
»	P35	a	15.95	Gorny 46 (30 Oct. 1989), 354; (C D1-R12a), **Plate 4**
»	P36	a	15.73	Spink 102 (2 March 1994, *Donabedian Coll.*), 133 (15.728g), **Plate 4**
»	»	b	15.63	Los Angeles, V. B. coll. (2002), (15.63g-26ø-12h); CNG 61 (25 Sept. 2002, *Panossian Coll.*), 886 (15.63g)
»	P37	a	14.70	Erevan, Inv. 5388 (26.3ø-12h)[8]
»	»	b	15.53	Gorny 130 (8-9 March 2004), 1301, **Plate 4**
A2	P38	a	15.80	Berlin, W. E. coll. (1996 in Berlin). Inv. 1 (26.5ø-1h), **Plate 5**
»	P39	a	15.28	Pegasi list 75 (1992), 59; CNG 15 (5 June 1991), 247 (15.28g); (N-3), **Plate 5**
»	P40	a	15.18	Ex-L. S./G. B. coll. (1994); (N-5), **Plate 5**
»	P41	a	14.07	Nercessian *Bulletin* list 10-B (1980), 260 (26ø)
»	P42	a	15.69	Los Angeles, V. B. coll. (2002), (15.69g-28ø-12h); Freeman and Sear No. G2529; Gorny 107 (2 April 2001), 273 (15.67g); Sternberg (7-8 Nov. 1994), 194 (15.67g); CNG 27 (29 Sept. 1993), 6 (15.63g); (N-4), **Plate 5, 5 (X)**
»	P43	a	15.95	Milwaukee, WI, L. S. coll. (1991), (25.8ø-1h); (N-103), **Plate 6**
»	P44	a	15.44	CNG 46 (24 June 1998, *Araratian Coll.*-2), 665; (N-207), **Plate 6**
»	»	b	16.01	Elsen 67 (2001), 282

[8] Obverse overstruck, unidentifiable object in r. field.

A2	P45	a		Cederlind 96 (Summer 1992), 103
»	P46	a	15.32	Naville 10 (15-18 June 1925, *Petrowicz Coll.*), 1563 (25ø); (C D2-R13a)
»	»	b	15.41	*SNG Blackburn*[9] (1989), 1075 (12h)
»	»	c	15.82	Malter 76 (15 April 2000), 671[10]
»	»	d	15.84	MMn 1 (7 Dec. 1997), 140, **Plate 6**
»	P47	a	15.44	Los Angeles, V. B. coll. (2002), (15.44g-27ø-12h); CNG 60 (22 May 2002), 1012 (15.44g); Gorny 113 (18 Oct. 2001), 5295 (15.93g), **Plate 6**
»	P48	a	15.32	Chicago, S. K. coll. (2002), Inv. 6 (15.32g-25ø-12h); Gorny 117 (14 Oct. 2002), 331 (15.34g), **Plate 6**
»	P49	a	15.82	Chicago, S. K. coll., Inv. 5 (28.25ø-12h)
»	P50	a	15.39	Los Angeles, Y. Nercessian coll. (7 Jan. 2006), Inv. 5761 (15.39g-26ø-12h); Lanz 125 (28 Nov. 2005), 441 (15.42g-12h); Lanz 36 (21 April 1986), 495 (15.40g-12h); Gorny 24 (14-15 March 1983), 106 (15.32g); (C D2-R14a), **Plate 6**
»	P51	a	15.65	London, Inv. BMC 5 (26ø-1h); (C D2-R15a), **Plate 6**
»	P52	a	15.54	Bourgey (27-29 Oct. 1992, *N. K. Coll.*), 847 (15.54g-12h); (Boutin (1983),[11] *N. K. Coll.*, 1107 (15.54g); C D2-R16a)
»	»	b	15.47	MM list 531 (April 1990), 13; (C D2-R16b), **Plate 7**
»	P53	a	15.87	Naville 14 (2 July 1929), 412 (28ø); (C D2-R17a)
»	P54	a	15.75	Paris, Inv. 14 (26ø-12h); (E. Babelon, p. 213-14; C D2-R18a)

[9] SNG VIII. *The Hunt Collection, Blackburn Museum* (1989).

[10] On some coins the dot in between both legs of "Λ" which is intended to form the letter "A" is slightly lower and oversized. Personal examination of this coin has verified that during the photography, the shadow of this dot gives the illusion of "Δ" letter.

[11] S. Boutin, *Collection N. K.: Monnaies des Empires de Byzance, ... Monnaies de l'Arménie Artaxiate et de l'Arménie Cilicienne* (Maastricht, Netherlands, 1983).

A2	P54	b	15.54	G. Hirsch 79 (27-29 June 1972), 153; (C D2-R18b)
»	»	c	15.92	*Spink N. Circ.* list (Jan. 1979), 21 (15.92g); *Spink N. Circ.* list (Sept. 1975), 7386 (15.93g); (C D2-R18c), **Plate 7**
»	P55	a	16.00	Paris, Inv. K1826 (25ø-12h), **Plate 7**
»	P56	a	15.34	*ACNAC Dewing*[12] (1985), 2649 (1h); (C D2-R19a), **Plate 7**
»	P57	a	16.16	Boston, R. A. coll. (1993); Coin Galleries (14 April 1993), 368; Lanz 40 (25 May 1987), 394 (16.16g-12h); Hess and Leu 28 (May 1965), 280 (16.16g); (C D2-R20a)
»	»	b	15.78	Auctiones 20 (8 Nov. 1990), 485; (C D2-R20b)
»	P58	a	15.50	Vinchon (20-22 May 1959), 597; (C D2-R21a)
»	P59	a	15.55	Ariadne (15 Sept. 1982), 125; (C D2-R22a)
»	»	b	15.62	Banque Populaire du Nord et Crédit de la Bourse (April 1987), 243 (15.62g); Bourgey (14-15 April 1910, *Norman Coll.*), 204; (C D2-R22b)
»	»	c	15.89	Gorny 125 (13 Oct. 2003), 257, **Plate 7**
»	P60	a	14.52	Bourgey (4 March 1960), 207; (C D2-R23a), **Plate 7**
»	»	b	15.8	Karen Vardanyan coll. (26.8ø)
»	P61	a	15.64	Cahn (26 Nov. 1930), 1558
»	P62	a	15.49	Gainor (25 Sept. 1994), 28
»	P63	a		The Hague, Inv. 2556; (Mousheghian (1983)[13] *Monetary Circulation*, pl.-50)
»	P64	a	15.33	Erevan, Inv. 18981/4, gift by Mazlumian, 1979 (28.2ø-1h),[14] **Plate 7**
»	»	b	15.80	CNG Triton IX (10-11 Jan. 2006), 985, (26ø-12h), (late addition, data not tabulated)

[12] *Dewing Collection* (*ACNAC* 6, New York, 1985).

[13] Kh. A. Mousheghian, *Monetary Circulation in Armenia* or *The Numismatics in the History of Armenia* (Erevan, 1983), (in Armenian with Russian and English summaries).

[14] The king's name is inscribed ΤΙΓΡΙΝΝΟΥ.

A3	P65	a	16.05	London, Inv. BMC 4 (25ø-12h); (Foss (1986), pl. 5-G; C D3-R24b), **Plate 8, 8 (X)**
»	»	b	15.61	Leu 91 (10-11 May 2004), 188 (15.61g); Bourgey (27-29 Oct. 1992, *N. K. Coll.*), 848 (15.62g-12h); Leu and MM (3-4 Dec. 1965, *Walter Niggeler Coll.*), 480 (15.60g); Cahn (25 Feb. 1901), 3080 (15.57g-26ø); (Boutin (1983), *N. K. Coll.*, 1108 (15.62g); C D3-R24a)
»	»	c	15.86	Berk 109 (20 July 1999), 232
»	»	d	15.57	Walcher de Molthein[15] (1895), 3080
»	»	e	15.71	Los Angeles, Y. Nercessian coll. (3 July 2001), Inv. 5630 (15.71g-27ø-11h); Los Angeles, Freeman and Sear (22 June 2001), (Nercessian, *Freeman and Sear Hoard*, A2-P53b), **Plate 8**
»	»	f		Demirjian list 6 (1977), 244
A4	P66	a	15.99	Peus 332 (23-28 Oct. 1991), 283 (15.99g); Superior (11-12 June 1986), 1391 (15.89g); Glendining (21-23 Feb. 1961), 2654 (16.00g); *SNG Lockett*[16] (1957), 3203 (16.00g-11h); *Weber Coll.*[17] (1929), 7937;Naville 5 (18 June 1923), 2823 (16.00g-26ø); (C D4-R25a), **Plate 8**
»	»	b		MM list 209 (March 1961), 19; (C D4-R25b)
»	»	c	15.6	Karen Vardanyan coll. (25.2ø)
»	P67	a	15.63	Milwaukee, WI, N. T. coll. (Dec. 2000); Nercessian *Bulletin* list 20 (2001), 1; Nercessian coll. (1992), Inv. 4212 (15.63g-26ø-10h); (N-11), **Plate 8**
»	P68	a	15.2	Karen Vardanyan coll. (27.3ø)
»	P69	a	15.6	Karen Vardanyan coll. (28.1ø)
»	P70	a	15.99	San Bernardino, A. N. coll. (2005), (15.99g-26ø-11h); Los Angeles, S. K. coll. (2005); Ex-Pars (16.00g), **Plate 9**

[15] L. Walcher de Molthein, *Collection des médailles grecques* (Paris, 1895).

[16] SNG Lockett, *The Lockett Collection* (second impression, London, 1957), Vol. III; Part V, *Lesbos–Cyrenaica; Addenda*, Vol. III-pl. LVI.

[17] L. Forrer, *The Weber Collection*, Vol. III, Part II (London, 1929).

A4	P71	a	15.72	Boston (25ø); (Brett[18] (1955), pl. 102, 2195)
»	P72	a	15.43	Spink 102 (2 March 1994, *Donabedian Coll.*), 135 (15.431g), **Plate 9**
»	P73	a	15.61	Monnaies de Collection (13-15 Oct. 1980), 456; (C D4-R26a)
A5	P74	a	15.60	Cahn 80 (27 Feb. 1933), 389 (15.60g); Cahn (Frankfurt) 71 (14 Oct. 1931), 559 (15.60g); Hess 202 (28 Oct. 1930), 2632 (15.46g); (C D5-R27b), **Plate 9**
»	»	b	14.66	J. Schulman (24 Nov. 1913), 558 (14.66g-25ø); J. Schulman (Dec. 1908), 1558 (25ø); (C D5-R27a)
»	P75	a	15.35	Cederlind 96 (Summer 1992), 104; CNG Review[19] 18-2 (2nd Quarter 1993), 132 (15.35g); (N-8), **Plate 9**
A6	P76	a	15.50	Damascus, National Museumof Syria, **Plate 9**
»	P77	a	15.51	Seaby list 724 (Dec. 1978), C1216; (C D6-R30a), **Plate 9**
»	P78	a	15.41	San Bernardino, A. N. coll. (2005), (15.41g-26ø-1h); Los Angeles, S. K. coll. (2004); Stambuliu, La Galerie Numismatique IV (28 Nov. 2004), 184 (15.42g); Ex-Freeman and Sear, **Plate 9**
»	P79	a	15.70	Los Angeles, V. B. coll. (2001), (27ø-1h); Ex-Windsor Antiques
»	P80	a	15.70	Hess 194 (25 March 1929), 412 (15.70g-25.5ø); Egger (7 Jan. 1908), 667 (15.70g-27ø); (C D6-R28a)
»	»	b	15.70	Erevan, Inv. 17619/3 (25.9ø-1h), gift by Kalaijian, 1960
»	P81	a	15.82	Los Angeles, V. B. coll. (2001), (27ø-1h); Ex-Windsor Antiques

[18] A. B. Brett, *Boston Museum of Fine Arts, Catalogue of Greek Coins* (Boston, 1955).

[19] *Classical Numismatic Review*, Fixed Price List, published quarterly by Classical Numismatic Group Inc., Lancaster, Pennsylvania and London.

A6	P82	a	15.66	Ex-L. S./G. B. coll. (1994); (N-6), **Plate 10**
»	P83	a	15.45	Milwaukee, WI, Ch. H. coll. (1991); (N-7)
A7	P84	a	15.48	Elsen list 185 (Oct. 1996), 56
»	»	b	15.08	Milwaukee, WI, Ch. H. coll. (1991); (N-17)
»	»	c	15.69	Stack's (10 June 1997, *Schoonmaker Coll.*), 250 (15.69g); Gorny 52 (6 Nov. 1990), 368 (15.69g)
»	»	d	15.62	Los Angeles, V. B. coll. (2004), (15.62g-27ø-12h); CNG 67 (22 Sept. 2004), 833, (15.62g), **Plate 10**
»	P85	a	15.6	Karen Vardanyan coll. (26.3ø)
»	P86	a	16.37	Los Angeles, Y. Nercessian coll. (1991), Inv. 4113 (27ø-12h); (N-1), **Plate 10, 10 (X)**
»	»	b	15.28	CNG 25 (24 March 1993), 387; (N-10)
»	»	c	16.72	Münzschätze 14, 68 (16.716g); Lanz 14 (18 April 1978), 131 (14.92g-12h); Numismatica 13 (9-11 Nov. 1976), 353 (16.70g); (C D6-R29a)
»	»	d		Chapour (22-23 Feb. 1997), 131
»	P87	a	15.88	Erevan, Inv. 18981/8, gift by Mazlumian, 1979 (25.9ø-1h), **Plate 10**
»	P88	a	15.5	Los Angeles, H. I. coll. (1996), (15.5g-26ø-1h); Berk 91 (25 June 1996), 210; Berk 88 (28 Nov. 1995), 226; (N-206), **Plate 11**
»	P89	a	15.80	CNG 36 (5-6 Dec. 1995, *Araratian Coll.*), 546; (N-203), **Plate 11**
»	P90	a	15.57	Erevan, Inv. 18981/1, gift by Mazlumian, 1979 (27ø-1h), **Plate 11**
A8	P91	a	15.68	Los Angeles, Y. Nercessian coll. (1992), Inv. 4213 (27ø-1h); (N-16), **Plate 11**
»	»	b		Glendining (10 Oct. 1951), 330
»	»	c	15.42	Erevan, Inv. 17619/7 (26.6ø-2h), gift by Kalaijian, 1960
»	»	d	15.63	Chicago, S. K. coll. (2004), Inv. 9 (15.63g-26ø-12h); Nercessian List 26 (31 March 2004), 1, (15.61g-27ø-1h); G. Hirsch 223 (26-28 Sept. 2002), 1901; Ex-Pegasi

A8	P92	a	15.78	CNG 36 (5-6 Dec. 1995, *Araratian Coll.*), 548; (N-204), **Plate 11**
A9	P93	a	15.86	Berlin, C. R. Fox (1873), (26ø-1h)
A10	P94	a	15.15	Erevan, Inv. 5379 (25.9ø-12h), Ex-Lazarian Institute coll.; (MD pl. 1-2/E), **Plate 11**
»	P95	a	15.7	Karen Vardanyan coll. (27ø)
»	P96	a	15.49	Nercessian *Bulletin* list 18 (March 1996), 1 (24ø); (N-15), **Plate 11**
»	P97	a	15.43	Chicago, S. K. coll. (1997), Inv. 7 (15.43g-27ø-12h); Stack's (10 June 1997, *Schoonmaker Coll.*), 249 (15.44g); Gorny 50 (24 Sept. 1990), 399 (15.70g), **Plate 12**
»	P98	a	15.69	Spink (3 May 1995), 332; MM list 304 (Sept. 1969), 22 (15.69g); (C D7-R?a), **Plate 12**
»	P99	a	15.19	Berlin, W. E. coll. (1996), Inv. 3 (26.5ø-11h); Gorny 78 (13 June 1996), 285, **Plate 12**
»	P100	a	15.32	Milwaukee, WI, Ch. H. coll. (1991); (N-13)
»	»	b	15.81	Berlin, Löbbecke (1906), Inv. 877 (26ø-12h)
»	P101	a	15.56	Ex-L. S./G. B. coll. (1994); (N-14), **Plate 12**
»	P102	a	15.39	Helbing (24 Oct. 1927), 3142 (15.39g-26ø); Naville 12 (18-23 Oct. 1926, *Petrowicz Coll.*-2), 1983 (15.39g-26ø); (C D7-R31a)
»	P103	a	13.78	Spink 121 (7-9 Oct. 1997), 87 (13.78g); Vigne list (Sept. 1984), 38 (13.79g); Lanz 28 (7 May 1984), 326 (13.79g-11h); (C D7-R32a), **Plates 12 (X), 13**
»	»	b	15.46	Erevan, Inv. 16380 (26.7ø-12h), Ex-Ter-Hovhannissian coll.
»	»	c	15.88	Los Angeles, Y. Nercessian coll. (4 June 2004), Inv. 5667 (15.88g-26ø-11h); Ex-Pars, **Plate 13**
»	P104	a	15.49	Erevan, Inv. 18798/1, gift by Mazlumian, 1979 (26.7ø-11h)
»	»	b	15.18	Erevan, Inv. 17529/2 (25ø-11h), Ex-Mirimanian coll., 1958
»	»	c	15.70	CNG 70 (21 Sept. 2005), 368 (28ø-11h), **Plate 13**

A10	P105	a	15.74	Milwaukee, WI, L. S. coll. (1991), (27.3ø-12h); (N-104), **Plate 13**
»	P106	a	15.60	Gorny 19 (12-14 May 1981), 104 (15.60g); G. Hirsch 115 (6-10 April 1979), 301 (15.60g); (C D7-R33a)
»	P107	a	14.93	Rauch 46 (6-8 May 1991), 296
»	»	b	15.71	Peus 334 (4 Nov. 1992), 516, **Plate 13**
»	»	c	15.65	Gorny 104 (9-10 Oct. 2000), 462, **Plate 13**
»	P108	a		Glendining and Seaby (11 Dec. 1974), 120; (C D7-34a)
»	P109	a	15.39	Oxford, E. S. Bouchier 1930 (26ø-11h); (C D7-R35a), **Plate 13**
A11	P110	a	15.11	Gorny 78 (13 June 1996), 284, **Plate 14**
»	P111	a	15.28	Los Angeles, V. B. coll. (1999), (26ø-11h); Ex-Windsor Antiques, **Plate 14, 14 (X)**
A12	P112	a	13.93	Damascus, National Museum of Syria, **Plate 14**
A13	P113	a	15.56	San Bernardino, A. N. coll. (2005), (15.56g-28ø-11h); Los Angeles, S. K. coll. (2005); Ex-Pars, **Plate 14**
A14	P114	a	15.64	Bourgey (8 March 1999), 56 (15.64g); Bourgey (27-29 Oct. 1992, *N. K. Coll.*), 850 (15.64g-12h); J. Hirsch 33 (17 Nov. 1913), 930 (15.60g-25ø); Egger (7 Jan. 1908), 668 (15.62g-12h); (Boutin (1983), *N. K. Coll.*, 1110 (15.64g); C D8-R36a), **Plate 15**
»	»	b	15.62	Berk 109 (20 July 1999), 233
»	P115	a	15.75	Spink 102 (2 March 1994, *Donabedian Coll.*), 137 (15.572g), **Plate 15**
»	»	b	15.93	The New York Sale XI (11 Jan. 2006), 1072 (15.53g); Gorny 112 (17 Oct. 2001), 4167 (15.93g), **Plate 15**
»	P116	a	14.98	Washington, DC, G. M. coll. (1978), Inv. 5 (25ø-1h); Ex-Demirjian, **Plate 15**
»	P117	a	15.35	CNG 36 (5-6 Dec. 1995, *Araratian Coll.*), 545; (N-215), **Plate 15**
»	P118	a		CAA, pl. 2-17; (C D8-37a)

A14	P118	b	15.66	Pegasi VIII (29 April 2003), No. 171 (15.66g); Los Angeles, Freeman and Sear (22 June 2001), (Nercessian, *Freeman and Sear Hoard*, A13-P100c), (15.72g-25ø-1h), **Plate 15**
»	P119	a	15.91	Gorny 60 (5 Oct. 1992), 251, **Plate 15**

Group 2: On rock, monogram ; in r. field, to r. of palm-branch, o or ⊖

A15	P1	a	15.46	MM 41 (18-19 June 1970), 301; (C D9-R1a), **Plate 16**
»	»	b	15.40	Chicago, S. K. coll. (1998), Inv. 12 (15.40g-27ø-12h); CNG 46 (24 June 1998, *Araratian Coll.*-2), 667 (15.40g); (N-211), **Plate 16**
»	»	c	15.56	Lanz 62 (26 Nov. 1992), 424 (12h), **Plate 16, 16 (X)**
»	»	d	15.75	Peus 380 (3 Nov. 2003), 586; Ex-Künker 23 (1992), 126
A16	»	e	15.70	Bourgey (8 March 1999), 57 (15.70g); Bourgey (27-29 Oct. 1992, *N. K. Coll.*), 852 (15.70g-12h); (Boutin (1983), *N. K. Coll.*, 1112 (15.70g); C D10-R1a), **Plate 16**
»	»	f	15.5	Kölner Münzkabinett 9 (1-2 Feb. 1972), 96; (C D10-R1c)
»	P2	a	15.3	Karen Vardanyan coll. (26ø)
A17	P3	a	15.70	Glasgow (28ø): (*Hunterian Coll.*[20] (1901), pl. 63-1; CAA, pl. 3-36; C D10-R1b), **Plate 17**
»	»	b	15.77	Los Angeles, V. B. coll. (2002), (15.77g-26ø-11h); Ex Robert Van Bebber; G. Hirsch 217 (27-29 Sept. 2001), 1654 (15.78g)
»	P4	a	15.4	Hess (7 March 1935), 425 (15.4g-27ø); Cahn 61 (3 Dec. 1928), 171 (14.4g); Hess (6 Jan. 1926), 422 (15.4g-26ø); (C D10-R2a)

[20] G. MacDonald, *Catalogue of Greek Coins in the Hunterian Collection, University of Glasgow*, Vol. III (Glasgow, 1901).

A17	P4	b	15.23	Platt (4 April 1933), 186; Hamburger (11 June 1930), 438 (15.23g-28.5ø); Ratto (13 May 1912), 1099 (15.23g); (C D10-R2b)
»	»	c	15.40	Chicago, S. K. coll. (2001), Inv. 13 (15.40g-26.5ø-12h); Nercessian List 21 (1 Oct. 2001), 1; Los Angeles, Y. Nercessian coll. (3 July 2001), Inv. 5631 (15.40g-26ø-12h); Los Angeles, Freeman and Sear (22 June 2001), (Nercessian, *Freeman and Sear Hoard*, A15-P3c), **Plate 17**
»	P5	a	15.52	Toronto, ROM, Inv. 926.2.42 (15.52g-26ø-1h); Naville 12 (18-23 Oct. 1926, *Petrowicz Coll.*-2), 1987 (15.60g-26ø); Hess (30 April 1917), 1744 (15.65g); (C D10-R3a), **Plate 17**
»	»	b	15.46	G. Hirsch 75 (22-24 Nov. 1971), 251; (C D10-R3b)
»	»	c	14.95	Nercessian *Bulletin* list 13 (1989), 1 (26ø)
»	P6	a	15.59	Nercessian *Bulletin* list 17 (1994), 5b (28ø); (N-18), **Plate 17**
»	P7	a	15.08	Ex-Nercessian coll. (25ø); (N-19), **Plate 17**
»	P8	a	15.63	Gorny 115 (5 March 2002), 1214, **Plate 17**
»	P9	a	15.79	Denver, CO, J. C. coll., Inv. JC3 (23 July 2001); Nercessian (2001), (15.79g-28ø-1h); G. Hirsch 215 (2-4 May 2001), 384 (15.790g), **Plate 17**
»	P10	a	15.41	Erevan, Inv. 18305/2, unearthed from Parakar tomb, 1961, received from Tiratsian, 1970 (26.4ø-1h), **Plate 18**
»	P11	a	15.76	Los Angeles, Freeman and Sear (22 June 2001), (Nercessian, *Freeman and Sear Hoard*, A15-P9.1a), (15.76g-26ø-1h)
»	P12	a	15.19	Ex-L. S./G. B. coll. (1994); (N-22)
»	»	b	15.69	Detroit, E. H. coll. (July 2002); Nercessian List 23 (1 Sept. 2002), 1 (15.69g-26ø-12h); G. Hirsch 218 (28-30 Nov. 2001), 444 (15.79g)
»	P13	a	15.9	Karen Vardanyan coll. (26.8ø)

A17	P14	a	14.68	Milwaukee, WI, L. S. coll. (1991), (26.4ø-12h); (N-107)
»	P15	a	15.45	Spink 102 (2 March 1994, *Donabedian Coll.*), 140, **Plate 18**
»	P16	a	15.05	Kricheldorf 10 (7 May 1962), 130
»	P17	a	14.79	CNG 36 (5-6 Dec. 1995, *Araratian Coll.*), 550; (N-213), **Plate 18**
»	P18	a	15.63	Los Angeles, V. B. coll. (2001), (27ø-12h); Ex-Windsor Antiques, **Plate 18**
A18	P19	a	12.46	Nercessian *Bulletin* list 9 (1979), 2 (25ø)
»	P20	a		Platt 2 (3 May 1921), 104
A19	P21	a	15.34	Erevan, Inv. 18305/3, unearthed from P'ara-k'ar tomb, 1961, received from Tiratsian, 1970 (26.6ø-1h), **Plate 19**
»	P22	a	15.54	Los Angeles, V. B. coll. (1999), (15.54g-29ø-12h); CNG 1999; The New York Sale (2 Dec. 1999), 123 (15.54g); Credit Suisse 4 (3 Dec. 1985), 661 (15.53g); Kricheldorf 27 (12-13 Nov. 1973), 149; Kricheldorf 4 (7 Oct. 1957), 381 (15.65g); (C D11-R5a), **Plates 18 (X), 19**
»	P23	a	15.96	Gorny 130 (8-9 March 2004), 1300, **Plate 19**
»	P24	a	15.77	Los Angeles, H. M. coll. (Nov. 2002), (15.77g-25ø-12h); Ex-Najaf Coins; Gorny 118 (14-15 Oct. 2002), 1523 (15.77g), **Plate 19**
»	P25	a	14.98	Erevan, Inv. 18215/4 (26.8ø-1h), received from Hasratian, 1969; (Mousheghian (1973), *Sarnakounk Hoard*-122, Inv. 18215/11)
»	»	b	15.43	Bourgey (4 March 1960), 205; (C D11-R6a), **Plate 19**
»	P26	a	16.16	Los Angeles, Y. Nercessian coll. (3 June 2005), Inv. 5675 (16.16g-26.5ø-12h); Pegasi XI (29 April 2004), 183 (16.12g); Pegasi VCoins - The Online Coin Show, on 19 April 2005; Gorny 126 (13-14 Oct. 2003), 1446 (16.16g), **Plate 19**

A19	P27	a	15.78	Los Angeles, H. I. coll. (1998), (15.78g-25ø-12h); Superior (2-3 June 1998), 6673; NFA 31 (18 March 1993), 291(15.79g); (N-24), **Plate 19**
»	P28	a	15.77	Robinson[21] (1923), *Lampson Coll.*, 349
»	P29	a	15.72	Spink 102 (2 March 1994, *Donabedian Coll.*), 132 (15.722g), **Plate 20**
»	P30	a	15.8	Karen Vardanyan coll. (29.7ø)
»	P31	a	15.33	Los Angeles, Y. Nercessian coll. (1972), Inv. 1 (25ø-12h); Seaby list 632 (April 1971), A378; (C D13-R14a), **Plate 20**
»	P32	a		*Caucasian Albania* (Dadasheva[22] (1976), pl. 3-28; C D13-R22a)
»	P33	a	15.72	Stack's (8 Dec. 1993), 2110; (N-105), **Plate 20**
A20	P34	a	15.39	Nercessian *Bulletin* list 17 (1994), 5a (28ø);[23] (N-21), **Plate 20**
»	P35	a	14.04	Gorny 36 (8 April 1987), 292; (C D13-R20a), **Plate 20**
A21	P36	a	15.97	Bourgey (27-29 Oct. 1992, *N. K. Coll.*), 851 (12h); (Boutin (1983), *N. K. Coll.*, 1111 (15.97g); C D12-R8a), **Plate 20**
»	»	b	15.56	G. Hirsch 220 (21-22 Febr. 2002), 1457
»	P37	a	15.26	MM 68 (15 April 1986), 317;[24] (C D12-R9a), **Plate 20**
»	P38	a	14.79	MM list 491 (Aug. 1986), 21; (C D12-R10a)
»	»	b	15.81	CNG 36 (5-6 Dec. 1995, *Araratian Coll.*), 552; (N-208), **Plate 21**
»	P39	a	15.55	CNG 16 (16 Aug. 1991), 203 (26ø); (N-29; C D12-R12a)

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[21] E. S. G. Robinson, *Catalogue of Ancient Greek Coins Collected by G. L. Lampson* (London, 1923).

[22] S. A. Dadasheva, "The Fundamental Lines of the Monetary Circulation of Caucasian Albania," *Vestnik Drevneĭ Istorii* (1976), No. 4 (138), pp. 79-88, pls. I-III (in Russian with English summary).

[23] Obverse overstruck, unidentifiable object in r. field.

[24] Obverse overstruck, unidentifiable object in l. field.

A21	P39	b	15.93	Chicago, S. K. coll. (2001), Inv. 10 (15.93g-26.3ø-12h); G. Hirsch 218 (28-30 Nov. 2001), 443 (15.92g), **Plate 21**
»	P40	a	14.79	Boston, R. A. coll. (1988); Coin Galleries (11 Feb. 1988), 222 (14.795g)
»	P41	a	15.14	Erevan, Inv. 17619/5, gift by Kalaijian, 1960 (27.8ø-1h); (Mousheghian[25] (1997), *Num. of Arm. Hist*, p. 152-16), **Plate 21**
»	»	b	15.48	Los Angeles, Y. Nercessian coll. (1992), Inv. 4214 (27ø-12h); (N-28)
»	»	c	15.58	Nercessian *Bulletin* list 18 (1996), 2 (26ø); N-27)
»	»	d	15.48	London, Inv. 1925-1-5-100 Spink (26ø-12h); (Foss (1986), pl. 5-H; C D12-R11a), **Plate 21**
»	P42	a	15.75	Los Angeles, V. B. coll. (2001), (28ø-12h); Berk 121 (10 July 2001), 229, **Plates 21 (X), 22**
»	»	b	15.88	Numismatica Ars Classica 11 (29 April 1998), 109, **Plate 22**
»	»	c	15.54	Elsen 44 (27 April 1996), 238 (15.54g); CNG 36 (5-6 Dec. 1995, *Araratian Coll.*), 551 (15.51g); Gorny 60 (5 Oct. 1992), 252 (15.57g); (N-210)
»	P43	a	15.39	CNG 36 (5-6 Dec. 1995, *Araratian Coll.*), 553/1; (N-212), **Plate 22**
»	P44	a	15.75	Paris, Seyrig coll., Inv. 1973.1.255 (28.5ø-12h), **Plate 22**
»	»	b	14.40	Erevan, Inv. 5378 (28ø-12h), Ex-Lazarian Institute coll.
»	P45	a	15.81	Nercessian 1 (2 May 1997, *Joseph Coll.*), 2 (15.81g-26ø); Malter 34 (13-15 Dec. 1986), 60 (15.77g); (N-214), **Plate 23**
A22	P46	a	15.74	Bourgey (2-4 June 1988), 112
»	P47	a	15.40	Los Angeles, V. B. coll. (2002), (15.40g-26ø-1h); Ex Robert Van Bebber; Los Angeles,

[25] Kh. A. Mousheghian, *The Numismatics of Armenian History* (Erevan, 1997), (in Armenian, Russian, and English).

				Freeman and Sear (22 June 2001), (Nercessian, *Freeman and Sear Hoard*, A17-P18.1a), (15.42g-26ø-1h)
A22	P47	b	15.70	Chicago, S. K. coll., Inv. 15 (26.2ø)
»	»	c	15.34	Chicago, S. K. coll., Inv. 16 (26.3ø-12h)
»	»	d	15.56	Los Angeles, Y. Nercessian coll. (3 July 2001), Inv. 5632 (15.56g-26ø-1h); Los Angeles, Freeman and Sear (22 June 2001), (Nercessian, *Freeman and Sear Hoard*, A22-P56.1a), **Plates 22 (X), 23**
»	P48	a	15.79	Los Angeles, V. B. coll. (2001), (27ø-12h); Ex-Sotheby's No. 6B4M M. Goodstein, **Plate 23**
»	P49	a		Poinsignon list 36 (Nov. 1993), 401
»	»	b	14.27	Jerusalem, Spear coll. (MD pl. 1-1/I), **Plate 23**
»	P50	a	15.84	Erevan, Inv. 16381 (27.4ø-1h), Ex-Ter-Hovhannissian coll.
»	P51	a	15.96	Jerusalem, Spear coll. (12h); (MD pl. 1-1/C), **Plate 24**
»	P52	a	15.39	Los Angeles, V. B. coll. (2003), (15.39g-28ø-12h); CNG 63 (21 May 2003), 599, (15.37g); on rock , **Plates 23 (X), 24**
»	P53	a	15.91	Los Angeles, V. B. coll. (2003), (15.91g-25ø-1h); Freeman and Sear 8 (5 Feb. 2003, *Samuel Warshauer coll.*), 258 (15.91g), on rock , **Plate 24**
»	P54	a	15.67	Erevan, Inv. 17619/4 (25.9ø-1h), gift by Kalaijian, 1960; on rock , in r. field ◊, **Plate 24**
»	P55	a	15.9	Galerie des Monnaies (18 Dec. 1970), 624; (C D13-R13a)
»	P56	a	15.67	CNG 64 (24 Sept. 2003), 358, **Plate 24**
»	»	b	15.57	Karen Vardanyan coll. (26.3ø)
»	P57	a		Hesperia list 45/46, 312; Glendining (5 March 1970), 120;[26] (C D13-R16a)

[26] Obverse overstruck, unidentifiable object in r. field.

A22	P57	b	15.67	Vinchon (13-15 Nov. 1986), 250; (C D13-R16b), **Plate 24**
»	»	c	15.02	CNG 18 (3 Dec. 1991), 194 (25ø); (N-70; C D11-R7a), **Plate 24**
»	P58	a	15.39	Superior (7-10 June 1987), 4174 (15.39g); Superior (22-24 Oct. 1979; *Northwood-Spear* Sale), 1514; (C D13-R17a)
»	P59	a	15.77	Berlin (Prokesch-Osten coll.), (26ø-12h), **Plate 25**
»	P60	a	15.14	Sotheby's (21-22 June 1990), 604 (12h); (C D13-R18a)
»	P61	a	15.7	Hess (28 April 1936), 745; (C D13-R19a)
»	P62	a	15.33	NFA31 (18 March 1993), 292; (N-23), **Plate 25**
»	P63	a	15.40	*CNG Review* 19-1 (1st Quarter 1994), 86 (15.40g); CNG 27 (29 Sept. 1993), 8 (15.40g); (N-25, N-106), **Plate 25**
»	P64	a	15.34	Spink 102 (2 March 1994, *Donabedian Coll.*), 136 (15.335g), **Plate 25**
»	P65	a	15.56	Watertown, MA, Armenian Library and Museum of America coll., Inv. 99.497 (1h), gift by Bedoukian, 1986; P. Z. Bedoukian coll. (1983); (Bedoukian, REA 1983-1, 15.56g),[27] **Plate 25**
A23	P66	a	13.48	Auctiones 3 (4-5 Dec. 1973), 204 (13.48g); Leu and Hess 45 (12-13 May 1970), 354 (13.83g-12h); (C D14-R23a), **Plate 25**
A24	P67	a	15.42	Ex-Guevrekian coll. (1991); (N-30), **Plate 25**
»	»	b	15.79	Washington, DC, G. M. coll. (1976), Inv. 15 (15.79g-28ø-12h); Demirjian list 6 (1977), 242; Donabedian (Money, Numismatics), 3
»	P68	a	15.52	Erevan, Inv. 5380 (27.1ø-12h), Ex-Lazarian Institute coll., **Plate 26**

[27] P. Z. Bedoukian, "Some Unpublished Coins of the Artaxiads of Armenia," SNS II, pp. 70-77, pl. 3; reprinted from *Revue des Etudes Arméniennes*, New Series, Vol. XVII (1983), pp. 279-287, pl. II, No. 1. The word ΤΙΓΡΑΝΟΥ is inscribed twice. There is no indication that it is a double strike.

A24	P69	a		Donabedian[28] (Money, Numismatics, 1967), 6
A25	P70	a	15.06	Jerusalem, Spear coll.; *Spink N. Circ.* list 3 (March 1978), 3184; (C D13-R15a), **Plate 26**
»	P71	a	14.74	Erevan, Inv. 18981/3, gift by Mazlumian, 1979 (27.8ø-1h), **Plate 26**
A26	P72	a	15.65	Parsy (6 June 2001), 123 (15.65g); Monetarium list 55 (Spring 1991), 124 (15.92g), **Plate 26**
»	P73	a	15.69	Gorny 115 (5 March 2002), 1215, **Plate 26**
»	P74	a	15.55	Baranowsky 4 (25 Feb. 1931), 759 (15.55g); Ratto (24 June 1929), 515 (15.50g-25ø); (C D15-R24a)
»	»	b	15.38	Freeman and Sear 9 (16 July 2003), 128, **Plate 26**
»	P75	a	15.13	Erevan, Inv. 17931/1, gift by T. Mousheghian, 1965 (26.7ø-1h)
»	P76	a	15.54	NFA31 (18 March 1993), 290; (N-26), **Plate 26**
»	»	b	15.27	Los Angeles, V. B. coll. (2000), (15.27g-25ø-12h); Ex-Mark Bettinger
»	P77	a	14.26	Seaby list 690 (Feb. 1976), A135; (C D13-R21a), **Plate 27**
»	P78	a	15.12	G. Hirsch 221 (2-4 May 2002), 508, **Plate 27**
A27	P79	a	14.93	Los Angeles, V. B. coll. (2004), (14.93g-27ø-12h); CNG 67 (22 Sept. 2004), 834, (14.92g), **Plate 27**
A28	P80	a	15.41	Paris, De Clercq 262 (27ø-12h); (Le Rider and Seyrig[29] (1968); C D16-R25a), **Plate 27**
»	P81	a	15.45	Los Angeles, V. B. coll. (2000), (15.45g-27ø-12h); CNG e-auction 60117; Sotheby and Co. (10 Oct. 1974), 52 (15.45g); Coins and Antiquities list 4 (1973), G572 (15.45g); (C D16-R26a), **Plate 28**

[28] A. H. M. Donabedian, "Money, Numismatics, and the Coinage of Tigranes the Great," *Shirak*, Vol. XI (July 1967), No. 7, pp. 346-355, 2 pls. (in Armenian).

[29] G. Le Rider and H. Seyrig, "Objets de la collection Louis De Clercq," *Revue Numismatique*, Ser. VI, Vol. X (1968), pp. 7-40, pls. 1-8.

A28	P82	a	14.95	San Bernardino, A. N. coll. (2005), (14.95g-25ø-12h); Los Angeles, S. K. coll. (2005); Ex-Pars (16.00g), **Plate 28**
»	P83	a	15.33	Numismatica Ars Classica B (25-26 Feb. 1992), 1528; (C D16-R27a)
»	P84	a	15.40	Lanz 60 (11 June 1992), 247 (12h), **Plates 27 (X), 28**
A29	P85	a	15.55	Spink 102 (2 March 1994, *Donabedian Coll.*), 139 (15.553g), **Plate 28**
»	P86	a	15.28	Los Angeles, V. B. coll. (12 May 2004), (27ø-12h); Superior (30 May 1995), 7754; Superior 1993 (Ex-*Meredith Smith Coll.*),[30] **Plate 28**
A30	»	b	15.46	CNG 22 (2 Sept. 1992), 162 (15.46g); CNG 20 (25 March 1992), 171 (15.46g); (N-20)[31]
»	»	c	15.66	Chicago, S. K. coll. (2002), Inv. 17 (15.66g-28.33ø-12h); G. Hirsch 224 (20-22 Nov. 2002), 352 (15.65g), **Plate 28**
A31	P87	a	15.23	*Spink N. Circ.* list (Dec. 1984), 7856; (C D10-R4a), **Plate 28**
»	P88	a	15.69	CNG 46 (24 June 1998, *Araratian Coll.*-2), 666; (N-209), **Plate 29, 29 (X)**

Group 3: On rock, monogram ☨ ; in r. field, to r. of palm-branch, monogram Ω

A32	P1	a	15.9	Venice Mekhitarist coll.; (CAA, pl. 3-35/41;[32] C D17-R1a), **Plate 29**
»	P2	a	15.5	Kress 122 (30 May 1962), 502; (C D17-R2a)
»	»	b	15.03	MM 54 (26 Oct. 1978), 371 (15.03g); MM 53 (29 Nov. 1977), 148 (15.03g); MM 37 (5 Dec. 1968), 269 (15.03g); (C D17-R2b), **Plate 29**
»	»	c		Demirjian list (Spring 1980), 42; (C D17-R2c)
»	»	d		Sotheby Parke Bernet and Co. (3 May 1984), 159; (C D17-R2d)

[30] Obverse overstruck, unidentifiable object in r. field.

[31] Punch dies A30-P86b and A30-P86c have a die defect on king's cheek.

[32] Obverse double struck, reverse legend broken.

A32	P3	a	15.65	Vienna, Inv. 37555 (26ø-12h); (MD pl. 3-29/E), **Plate 29**
»	»	b	15.83	Shore list 92 (2000), 31
»	»	c	15.69	Los Angeles, V. B. coll. (2001), (15.69g-25ø-12h); Markov 10 (23-24 Oct. 2001), 148 (15.69g), **Plate 30**
»	P4	a	14.95	Berlin, W. E. coll. (1996), Inv. 4 (14.95g-25.5ø-1h); G. Hirsch 191 (24-28 Sept. 1996), 708 (14.95g), **Plate 30**
»	P5	a		Berlin, Regling (1924), pl. 42-857 (12h); (C D17-R3a)
»	»	b	15.96	Paris, *de Luynes Coll.* 3435 (15.80g-26ø); (E. Babelon (1890), p. 213-8, pl. 29-8; J. Babelon[33] (1930), pl. 127-3435 (16g-27ø); (C D17-R3b), **Plate 30**
»	»	c	15.87	Berlin, Imhoof-Blumer coll. (1900), (12h)
»	P6	a	15.91	Regling, Berlin (1929), p. 53
»	P7	a	15.91	Peus 340 (2 Nov. 1994, *Jamgochian Coll.*), 450 (15.91g); Naville 10 (15-18 June 1925, *Petrowicz Coll.*), 1560 (16.04g-27ø); (C D17-R4a), **Plate 30**
»	»	b	15.2	Karen Vardanyan coll. (27.3ø)
»	P8	a	15.43	Spink 102 (2 March 1994, *Donabedian Coll.*), 123 (15.434g), **Plate 30**
»	P9	a		Munich (Overbeck and Klose[34] (1987), p. 21, No. 38; (C D17-R5a)
»	»	b	15.34	Peus 280 (30 Oct.-2 Nov. 1972), 229 (15.34g); Myers 2 (11-12 May 1972), 157; MM list 316 (Sept. 1970), 16 (15.31g); MM list 202 (Aug. 1960), 17 (15.31g); (C D17-R5b), **Plate 30**
»	»	c	15.31	Washington, DC, G. M. coll. (1974), Inv. 12 (25ø-12h); Ex-Demirjian, **Plate 30**

[33] Jean Babelon, *Catalogue de la collection de Luynes*, Vol. IV (Paris, 1936).

[34] P. Overbeck and D. O. A. Klose, *Antike im Münzbild. Eine Einführung. Staatliche Münzsammlung München* (Munich, 1987).

A32	P10	a		Alfoldi[35] (1978), p. 42
»	P11	a	14.60	Washington, DC, G. M. coll. (1976), Inv. 1 (14.60g-26ø-11h); Demirjian list 5 (1976), 18; (CAA, p. 54-45), **Plate 31**
»	P12	a	15.87	*ACNAC Wheaton*[36] (1981), 268 (12h); (C D17-R6a), **Plate 31**
»	P13	a	15.66	Washington, DC, G. M. coll. (1976), Inv. 6 (25ø-12h); Ex-Demirjian, **Plate 31**
»	P14	a	15.44	Gans 16 (19 April 1960), 436; (C D17-R7a)
»	P15	a	15.07	J. Schulman 274 (23-25 March 1982), 4038 (15.07g); J. Schulman 265 (28-29 Sept. 1976), 220 (15.07g); J. Schulman list 206 (16 Oct.-5 Nov. 1975), 21 (15.07g); (C D17-R8a)
»	P16	a	15.96	NFA31 (18 March 1993), 293; (N-39), **Plate 31**
»	P17	a	15.99	Peus 250 (15 March 1954), 553 (15.99g-27ø); Rosenberg 72 (11 July 1932), 740 (16.10g); (C D17-R9a)
»	P18	a	15.68	Auctiones 12 (29-30 Sept. 1981), 754; (C D17-R10a)
»	»	b	15.24	Washington, DC, G. M. coll. (1974), Inv. 14 (15.24g-25ø-12h); Ex-Demirjian; Ex-Kapamadjian, **Plate 31**
»	P19	a	15.36	NFA 1 (20-21 March 1975), 214; (C D17-R11a), **Plate 31**
»	P20	a	15.15	Los Angeles, H. I. coll. (1995), (15.15g-25ø-12h); Cederlind 102 (Autumn 1995), 1216; Cederlind 98 (Summer 1993), 666; Cederlind 94 (Autumn 1991), 90; (N-40; C D17-R12a), **Plate 31**
»	P21	a	15.09	Spink 102 (2 March 1994, *Donabedian Coll.*), 130 (15.088g), **Plate 32**
»	P22	a	16.02	NFA31 (18 March 1993), 294; (N-38), **Plate 32**

[35] Maria R. Alföldi, *Antike Numismatik* (Mainz Am Rhein, 1978).

[36] J. D. Bishop and R. R. Holloway, *Wheaton College Collection of Greek and Roman Coins* (New York, ACNAC, 1981), 16, pl. 20.

A32	P23	a	15.69	Milwaukee, WI, L. S. coll. (1991), (27.1ø-12h); (N-113), **Plate 32**
»	P24	a	15.95	Kurpfälzische 50 (12-13 June 1996), 148 (15.95g); Kurpfälzische 49 (13-14 Dec. 1995), 240 (15.95g)
»	P25	a	15.24	Los Angeles, V. B. coll. (1998), (15.24g-25ø-12h); V. A. coll. (1998); Nercessian 3 (2 June 1998, *Abgarians Coll.*), 3 (25ø); (N-220)
»	P26	a	15.48	Spink 102 (2 March 1994, *Donabedian Coll.*), 129
A33	P27	a	16.02	London (25ø-1h); (Foss (1986), pl. 5-F4; C D18-R13a), **Plate 32, 32 (X)**
»	»	b		Seaby list 677 (Jan. 1975), A22; (C D18-R13b)
»	»	c		Glendining (20-21 July 1976), 22; (C D18-R13c)
»	»	d	15.79	Karen Vardanyan coll. (26.1ø)
»	P28	a	15.68	MM list 590 (Sept.-Oct. 1995), 6 (15.68g); Schulten (2-4 June 1982), 237 (15.67g); J. Schulman 248 (19 Nov. 1968), 191 (15.673g); (C D18-R14a), **Plate 33**
»	P29	a		Cederlind 96 (Summer 1992), 105
»	P30	a	15.59	Superior (9-10 Dec. 1989, *Heifetz Coll.*-2), 2779
»	P31	a	15.41	Cambridge, MA, C. V. coll. (1999), (15.41g-30ø-11h); Berk 109 (20 July 1999), 230 (15.41g), **Plate 33**
»	»	b	15.70	CNG 47 (16 Sept. 1998), 584 (15.70g)
»	»	c	15.71	Chicago, S. K. coll., Inv. 25 (15.71g-26.5ø-12h); Colosseum 69/104 (27 April 1993), 8; (N-37), **Plate 33**
»	P32	a	15.98	Milwaukee, WI, L. S. coll. (1991), (26.8ø-12h); (N-111), **Plate 33**
»	»	b	15.16	Los Angeles, V. B. coll. (1999), (26ø-12h); Ex-Malter
»	P33	a	15.78	Glendining (7 April 1971), 132; (C D18-R15a)
»	»	b	15.80	Milwaukee, WI, L. S. coll. (1991), (27.6ø-12h); (N-112), **Plate 33**

A33	P33	c	14.80	San Bernardino, A. N. coll. (2005), (26ø-12h), (late addition, data not tabulated)
»	P34	a	13.75	MM list 276 (May 1967), 29; (C D18-R17a)
»	P35	a	15.64	Erevan, Inv. 18981/6 (25.5ø-1h), gift by Mazlumian, 1979
»	»	b		Seaby list 589 (Sept. 1967), A986; (C D18-R16a)
»	»	c	15.23	Los Angeles, V. B. coll. (1999), (26ø-12h); Ex-Pegasi, **Plate 33**
»	P36	a	15.16	Spink 102 (2 March 1994, *Donabedian Coll.*), 127 (15.157g), **Plate 33**
»	P37	a		Christie's (2 May 1984), 47; (C D18-R18a)
»	P38	a	15.56	Spink 102 (2 March 1994, *Donabedian Coll.*), 131 (15.558g), **Plate 34**
»	P39	a	15.48	Vedrines (27 March 1990), 67; (C D18-R19a)
»	P40	a		*Journal of NFA* III/2-4 (Autumn 1974), H287,[37] **Plate 34**
»	P41	a	14.23	Ex-L. S./G. B. coll. (1994); (N-36), **Plate 34**
A34	P42	a	16.00	Paris, Inv. 11 (25ø-12h); (E. Babelon, p. 213-11 (16g-25ø); C D19-R20a), **Plate 34**
»	»	b	14.91	Elsen 22 (14 Sept. 1991), 177 (14.91g); Elsen 18 (22 April 1991), 263 (14.91g); Elsen list 113 (Jan. 1989), 58; Ceresio (26 Sept. 1986), 157 (14.90g); R. Schulman (30 May 1983, *Private Auction*), 29 (14.89g); (C D19-R20b)
»	P43	a	15.4	Karen Vardanyan coll. (26.1ø)
»	P44	a		Demirjian list 5 (1976), 19
»	P45	a	15.08	Watertown, MA, Armenian Library and Museum of America coll., Inv. 99.494 (12h), gift by Bedoukian, 1999; P. Z. Bedoukian coll.; Superior (7-10 June 1987), 4175 (15.08g); Malter 1 (9-11 Nov. 1973), 191 (14.86g-12h);[38] (C D19-R21a), **Plate 34**
»	»	b	15.53	Peus 283 (14-16 May 1974), 147; (C D19-R21b)

[37] Obverse overstruck, unidentifiable object in l. field.
[38] Obverse overstruck, unidentifiable object in l. field.

A34	P45	c		Munten 102 (May 1995), 23; Munten 100 (Aug. 1994), 41
»	»	d	15.40	Chicago, S. K. coll. (Sept. 1998), Inv. 20 (15.40g-26.4ø-12h); CNG 47 (16 Sept. 1998), 583 (15.38g), **Plate 34**
»	P46	a	14.77	Washington, DC, G. M. coll. (1974), Inv. 9 (14.77g-25ø-12h); Demirjian list 3 (1974), 2
»	P47	a	15.47	Washington, DC, G. M. coll. (1974), Inv. 7 (15.47g-27ø-11h); Ex-Demirjian
»	P48	a	15.65	Salisbury (15.65g-12h); J. Hirsch 25 (29 Nov. 1909), 3117 (15.64g-29ø); (*Courtauld Coll.*[39] (1970), 105; C D19-R22a)
»	P49	a	15.88	Brussels (15.88g-26ø-1h); Hoffmann (10 March 1887); (Naster[40] (1959), pl. 87-1632 (15.88-26ø-1h), *Coll. de Hirsch*; C D19-R23a)
»	P50	a	15.4	Superior Stamps (19-23 Aug. 1975), 3349; (C D19-R24a)
»	»	b		Adams, *MacSorley Coll.*, 775; (C D19-R24b)
»	P51	a	15.74	San Bernardino, A. N. coll. (2005), (15.74g-26ø-1h); Los Angeles, S. K. coll. (2004); Gorny 134 (11-12 October 2004), 1569 (15.75g),[41] **Plate 34**
»	P52	a	15.90	London, Inv. BMC 7 (27ø-12h); (Foss (1986), pl. 5-F1; C D19-R25a), **Plate 35, 35 (X)**
»	»	b	15.80	Vinchon (14 May 1982), 48 (15.80g); Loudmer and Poulain (15-16 June 1976), 110 (15.82g); MM list 356 (May 1974), 19 (15.82g); (C D19-R25b), **Plate 35**
»	»	c	15.17	Spink 102 (2 March 1994, *Donabedian Coll.*), 124 (15.168g)
»	P53	a		Coin Galleries (9 March 1956), 1633; (C D19-R26a)

[39] G. Pollard, *A Catalogue of Greek Coins in the Collection of Sir Stephen Courtland at the University College of Rhodesia* (Salisbury, 1970), 92 pp., 15 pls.

[40] P. Naster, *Bibliothèque Royale de Belgique, Cabinet des Médailles: Catalogue des monnaies grecques; la collection Lucien de Hirsch* (Brussels, 1959).

[41] The title of Tigranes is spelled BAZIΛEΩ[Σ].

A34	P54	a		Schrötter[42] (1930), pl. 4-56
»	P55	a	15.4	Kress 147 (5 May 1969), 250; (C D19-R27a)
»	P56	a		Downie and Lepczyk 72 (30 Jan. 1987), 78; (C D19-R28a)
»	P57	a		Seaby list 668 (April 1974), A146; (C D19-R29a), **Plate 35**
»	»	b	15.9	Karen Vardanyan coll. (25.2ø)
»	P58	a	15.45	Vinchon (2-3 Dec. 1975), 155; (C D19-R29b)
»	P59	a	14.66	Damascus, National Museum of Syria, **Plate 35**
»	P60	a	15.25	Bourgey (4 March 1960), 206; (C D19-R30a), **Plate 36**
»	»	b	15.6	Karen Vardanyan coll. (26.4ø)
»	P61	a	15.57	Elsen list 85 (Jan. 1986), 29 (15.57g); Elsen list 46 (July-Aug. 1982), 50; Bonhams and V. C. Vecchi and Sons 7 (29 March 1982), 205 (15.56g); (C D19-R31a)
»	P62	a	15.45	Ciani and Florange (17-21 Feb. 1925), 962 (28ø)
»	P63	a	15.49	*SNG Milan* (1992) 449, Inv. M.0.9.20178, Brera 3401 (28ø-12h)
»	P64	a	15.56	Washington, DC, G. M. coll. (1975), Inv. 3 (15.56g-25ø-12h); Demirjian list 5 (1976), 20; (CAA, p. 50-20), **Plate 36**
»	P65	a	15.99	Chicago, S. K. coll. (April 2003), Inv. 14 (25.8ø); Ex-Stacks
»	P66	a	14.99	Malter 1 (9-11 Nov. 1973), 193; (C D19-R32a), **Plate 36**
»	»	b	15.29	Erevan, Inv. 17356 (25.1ø-12h), gift by Aivazian, 1954; (MD pl. 3-29/C)
»	»	c	15.92	Los Angeles, V. B. coll. (1999), (26ø-12h), Ex-Bowlin-1, **Plate 36, 36 (X)**
»	»	d	15.17	Los Angeles, V. B. coll. (1999), (26ø-12h); Ex-Windsor Antiques

[42] F. Schrötter, *Wörterbuch der münzkunde* (Berlin, 1930).

A34	P67	a	14.69	Los Angeles, CA, Mekhitarian Educational Foundation (1998), (27ø-1h), **Plate 37**
»	P68	a	15.22	Nercessian *Bulletin* list 18 (March 1996), 3 (26ø-12h); (N-33), **Plate 37**
»	»	b	15.09	Washington, DC, G. M. coll. (1974), Inv. 16 (15.09g-25ø-12h); Ex-Demirjian
»	P69	a	15.10	Ex-L. S./G. B. coll. (1994); (N-34), **Plate 37**
A35	P70	a	15.33	Lanz 62 (26 Nov. 1992), 427 (12h), **Plate 37, 37 (X)**
»	»	b	16.04	Los Angeles, V. B. coll. (1999), (26ø-12h); Ex-Mark Bettinger
»	»	c	15.5	Spink 102 (2 March 1994, *Donabedian Coll.*), 122 (15.497g), **Plate 38**
»	P71	a	15.80	Münzhandlung 4 (1 Oct. 1935), 888; (C D21-R34a)
»	»	b	15.73	SBV 38 (12-14 Sept. 1995), 244
»	P72	a	15.57	Albuquerque 21 (19 April 1990), 114
»	P73	a	15.7	Karen Vardanyan coll. (26.9ø)
A36	»	b	15.34	Erevan, Inv. 14360 (25.8ø-1h), private purchase; (MD pl. 3-29/A), **Plate 38**
»	P74	a		Donabedian (Money, Numismatics, 1967), 10
A37	P75	a	15.93	Numismatica Ars Classica 1 (29-30 March 1989), 238 (15.93g); Leu and NFA (Zurich) (16-18 Oct. 1984), 284 (15.82g); Naville 10 (15-18 June 1925, *Petrowicz Coll.*), 1559 (15.92g-26ø); (C D20-R33a), **Plate 38**
»	»	b	15	Ciani and Vinchon (6-7 May 1955), 230 (25ø); (C D20-R33b)
»	»	c	15.23	Aufhäuser 2 (21-22 Oct. 1985), 144; (C D20-R33c)
»	»	d	15.53	Erevan, Inv. 16115 (25.9ø-1h); (Mousheghian (1973), *Sarnakounk Hoard*-121, 15.15g)
»	»	e	15.1	Karen Vardanyan coll. (26.8ø)
A38	P76	a		Kricheldorf 34 (24-25 Jan. 1980), 221; (C D22-R35a)

A38	P76	b	15.73	Glendining (10 Dec. 1986), 330 (12h); (C D22-R35b), **Plate 38**
A39	P77	a	15.67	MM list 333 (April 1972), 24; (Alram[43] 196; C D23-R36a), **Plate 38**
»	»	b	16.07	*SNG Milan* (1992) 446, Inv. M.0.9.20175, Brera 3400 (26ø-12h)
»	P78	a	15.61	Auctiones 12 (29-30 Sept. 1981), 753 (15.61g); Myers (March 1974), 98 (15.60g); (C D23-R37a), **Plate 38**
»	P79	a	15.86	Lisbon (15.86g-1h); Naville 1 (14 March 1921, *Pozi Coll.*[44]), 3036 (15.88g-26ø); (*Gulbenkian Coll.*[45] (1989), pl. 97, 1058 (15.86g-1h); C D23-R38a)
»	P80	a	15.99	Elsen list 81 (Aug. 1985), 35; Elsen list 41 (Feb. 1982), 9 (15.99g); (C D23-R39a)
»	P81	a	15.56	Erevan, Inv. 18981/2 (27.1ø-1h), gift by Mazlumian, 1979, **Plate 38**
»	»	b	15.74	CNG [56], Freeman and Sear, Numismatica Ars Classica, Triton IV (5 Dec. 2000), 323, (15.74g); Leu 30 (28 April 1982), 200 (15.74g-1h); J. Schulman (8-10 June 1966), 1273 (15.8g); (C D23-R40a), **Plate 39**
»	P82	a	15.56	Waddell list 61 (Autumn 1993), 84; (N-108), **Plate 39**
»	»	b	15.76	Los Angeles, V. B. coll. (2001), (15.76g-25ø-12h); Ex-Rudnik No. G1801, **Plate 39**
»	»	c	15.47	Las Vegas, NV, Ex-W. Williams coll. (1999), Inv. 31 (25ø-11h); CNG eBay (7-14 July 1999), 128216806 (15.47g); Vecchi 15 (15 June 1999), 423 (15.78g)

[43] M. Alram, *Nomina Propria Iranica Nvmmis. Materialgrundlagen Personennamen auf antiken Münzen* (Vienna, 1986).

[44] S. Pozzi, *Monnaies grecques antiques provenant de la collection de feu le Prof. S. Pozzi* (Geneva, 1921).

[45] G. K. Jenkins and M. C. Hipolito, *A Catalogue of the Calouste Gulbenkian Collection of Greek Coins, Greece to East*, Part II (Lisbon, 1989).

A39	P83	a	15.70	Paris, Inv. 10 (26ø-1h); (E. Babelon p. 213-10 (15.70g-26ø); C D23-R41a), **Plate 39**
»	»	b	15.46	Münz Zentrum 42 (10-13 Nov. 1980), 129 (15.46g); G. Hirsch 58 (19-22 June 1968), 3203 (15.35g); (C D23-R41b)
»	»	c	15.26	Auctiones 24 (23 June 1994), 341 (15.26g); Numismatica Ars Classica A (27-28 Feb. 1991), 1520 (15.26g); (C D23-R41c)
»	»	d	15.04	Elsen 43 (16-17 Feb. 1996), 104 (15.04g); Elsen list 174 (Aug. 1995), 30 (15.04g); Spink (3 May 1995), 333 (15.04g)
»	P84	a	15.79	Paris, *Coll. de Luynes* 3434 (15.79g-27ø); (E. Babelon (1890), p. 213-9 (16g-27ø); J. Babelon (1930), pl. 127-3434 (15.80g-26ø); C D23-R42a)
»	»	b		Colosseum 77/113 (6 June 1994), 6; (N-115), **Plate 39**
»	P85	a	15.94	Los Angeles, V. B. coll. (2001), (27ø-1h); CNG e-auction 61277, **Plate 39**
»	P86	a	15.4	Karen Vardanyan coll. (27.2ø)
»	P87	a	15.61	Paris, Inv. 11 bis (26ø-1h); (C D23-R43a), **Plate 39**
»	»	b	15.54	Chicago, S.K. coll., Inv. 21 (15.54g-25.6ø-1h); *Spink N. Circ.* list (March 1973), 2121 (15.56g); (Anthony[46] (1983), p. 159-252; C D23-R43b)
»	»	c		Gorny 20 (1-2 Dec. 1981), 67; (C D23-R43c)
»	»	d	15.84	G. Hirsch 186 (10-12 May 1995), 543; (N-216)
»	»	e	15.77	Kurpfälzische 50 (12-13 June 1996), 147 (15.77g); Gorny 71 (3 May 1995), 416 (15.77g); Gorny 62 (20 April 1993), 316 (15.57g)
»	»	f	15.00	CNG Triton IX (10-11 Jan. 2006), 986, (26ø-1h), (late addition, data not tabulated)
»	P88	a	15.45	MM list 452 (Feb. 1983), 21 (15.45g); NFA 9 (10 Dec. 1980), 330 (15.50g); (C D23-R44a), **Plate 40**

[46] J. Anthony, *Collecting Greek Coins* (London, 1983).

A39	P88	b	15.57	CNG 36 (5-6 Dec. 1995, *Araratian Coll.*), 554; (N-217), **Plate 40**
»	»	c	15.87	Elsen 81 (2004), 192 (15.87g); Künker 89 (8-9 March 2004), 1484 (15.87g)
»	P89	a	15.62	Malter 49 (15 Nov. 1992), 903 (15.62g); Sotheby and Co. (30 April to 1 May 1958), 270; (C D23-R45a)
»	»	b	15.62	Los Angeles, V. B. coll. (1998), (15.62g-25ø-12h); Ex-CNG; CNG 27 (29 Sept. 1993), 9 (15.58g); (N-41), **Plate 40**
»	»	c	15.77	Ciani and Vinchon (6-8 Feb. 1956), 626
»	P90	a	16.03	Gorny 40 (7 April 1988), 294; (C D23-R46a), **Plate 40**
»	P91	a	15.79	Milwaukee, WI, L. S. coll. (1991), (25.5ø-1h); (N-114), **Plate 40**
»	P92	a	15.26	Sotheby's (9-10 Dec. 1993), 468; (N-109), **Plate 40**
»	P93	a	15.16	Long Island, NY, H. A. coll. (2002), (15.16g-28ø-11h); Nercessian *Bulletin* list 18 (March 1996), 4 (15.16g-27ø-1h); (N-221), **Plate 40**
»	»	b	15.28	Sotheby's (9-10 Dec. 1993), 469; (N-110)
»	»	c	15.69	Los Angeles, V. B. coll. (2002), (25ø-1h); Ex-Ira and Larry Goldberg 4338, **Plate 41**
»	P94	a	15.20	Superior (31 May-1 June 1999), 949
»	P95	a	15.95	Boston (25ø); (Brett (1955), pl. 102, 2194)
»	»	b	15.76	Los Angeles, S. K. coll. (July 2005), (15.76g-26ø-1h); Ex-Freeman and Sear, (15.79g); Tkalec (29 Feb. 2000), 177 (26ø-1h),[47] **Plate, 41, 41 (X)**
»	P96	a	15.71	Spink 102 (2 March 1994, *Donabedian Coll.*), 126 (15.707g), **Plate 41**
»	P97	a	14.96	Spink 102 (2 March 1994, *Donabedian Coll.*), 125 (14.959g)

[47] Obverse and reverse double struck.

A39	P98	a	15.48	Chicago, S. K. coll. (June 1998), Inv. 33 (15.48g-25.3ø-12h); CNG 46 (24 June 1998, *Araratian Coll.*-2), 668 (15.47g); (N-218), **Plate 41**
A40	P99	a	16.11	Lisbon (16.11g-12h); Sotheby, Wilkinson and Hodge (3-11 Feb. 1909, *Benson Coll.*), 768 (16.17g); Sotheby, Wilkinson and Hodge (7-12 Dec. 1896, *Bunbury Coll.*), 593 (16.524g); Sotheby, Wilkinson and Hodge (5 Dec. 1859, *Northwick Coll.*), 1376?); (*Gulbenkian Coll.* (1989), pl. 97, 1057 (16.11g-12h); C D24-R47a)
»	P100	a	15.77	Washington, DC, G. M. coll. (1981), Inv. 10 (15.77g-27ø-12h); Auctiones 12 (29-30 Sept. 1981), 751 (15.78g); Hesperia list 33, 45; (C D24-R48a), **Plate 42**
»	»	b	15.60	Spink 102 (2 March 1994, *Donabedian Coll.*), 121 (15.604g), **Plate 42**
A41	P101	a	15.76	Cambridge (28ø-12h); Sotheby, Wilkinson and Hodge (23-27 June 1890, *Sim Coll.*), 439; (*McLean Coll.*[48] (1929), pl. 343-11, 9361 (15.76g-28ø-12h); C D25-R49a)
»	»	b		Platt (28-29 March 1922), 718; (C D25-R49b)
»	»	c	15.09	Lanz 30 (26 Nov. 1984), 365 (15.09g-1h); Galerie des Monnaies (9 June 1978), 1478; Malter 1 (9-11 Nov. 1973), 192 (15.87g); (C D25-R49c), **Plate 42**
»	P102	a	15.80	Naville 12 (18-23 Oct. 1926, *Petrowicz Coll.*-2), 1985 (15.80g-26ø); (Petrowicz[49] (1904), pl. 25-5, (15.85g); C D25-R50a), **Plate 42**
»	»	b	15.76	Los Angeles, V. B. coll. (2004), (15.76g-27ø-12h); CNG 67 (22 Sept. 2004), 835 (15.76g); Galerie des Monnaies and Spink (10 Oct. 1977), 273 (15.76g); *Spink N. Circ.* list (Nov.

[48] S. W. Grose, *Catalogue of the McLean Collection of Greek Coins* (Cambridge, 1929), Vol. III, p. 347, pl. 343.

[49] A. Petrowicz, *Arsaciden-Münzen* (Vienna, 1904).

				1974), 8934 (15.75g); Myers 6 (6 Dec. 1973), 236 (15.75g); (Mitchner[50] (1978), p. 101-434; C D25-R50b), **Plate 42**
A41	P103	a	15.77	Erevan, Inv. 18981/5 (26.9ø-1h), gift by Mazlumian, 1979
»	»	b	14.82	Los Angeles, V. B. coll. (2003), (14.82g-27ø-12h); Antiqua XII (Dec. 2003), 65 (14.81g); Gorny 79 (14 Oct. 1996), 290 (14.85g), **Plate 42**
»	P104	a	15.38	London, Inv. 1935-11-17-894, Barnett (26ø-1h); (C D25-R51a), **Plate 42**
»	P105	a	16.90	Mission Hills, CA, Ararat Eskijian Museum (26ø-1h), gift by Eskijian 1998; L. E. coll. (1963); Ex-Malter,[51] **Plate 43**
»	P106	a	15.63	Washington, DC, G. M. coll. (1976), Inv. 8 (25ø-1h); Ex-Demirjian, **Plate 43**
»	P107	a	15.69	*SNG Copenhagen* (reprint 1982), 435 (1h); Rollin 1842
»	P108	a	15.92	Berlin, Löbbecke coll. (1906), Inv. 7965.54 (26ø-1h)
»	P109	a	15.89	Berlin, Prokesch-Osten (1875), (26ø-12h)
»	P110	a	15.68	Berlin, Löbbecke coll. (1906), Inv. 7965.54 (27ø-1h)
»	P111	a	15.59	Washington, DC, G. M. coll. (1976), Inv. 18 (15.59g-26ø-12h); Demirjian list 6 (1977), 243, **Plate 43**
»	»	b	15.72	Denver, CO, J. C. coll., Inv. JC2 (2002), (15.72g-25ø-1h); Ex-Stack's, **Plate 43**
»	P112	a	15.57	Rasmussen (10-12 March 1970), 872 (15.57g); Lempertz 237 (21-23 Feb. 1926), 477 (15.7g);

[50] M. Mitchner, *Oriental Coins and Their Values; The Ancient and Classical World, 600 B.C.-A.D. 650* (London, 1978).

[51] This tetradrachm has a suspicious appearance, full of tiny holes of trapped air bubbles, strange lettering style; but it has a nice smooth surface and worn appearance. It has some minor differences and many similarities to the coin catalogued prior to it, London, the British Museum coin.

				J. Hirsch 29 (9 Nov. 1910), 836 (15.58g-27ø); (C D25-R52a)
A41	P112	b	15.62	Nercessian *Bulletin* list 17 (Nov. 1994), 5c (26ø); (N-32)
»	P113	a	15.45	Auctiones 12 (29-30 Sept. 1981), 752; (C D25-R53a), **Plate 44**
»	»	b	15.33	Bedoukian, *A Hoard of Copper Coins* (1991), (1h), p. 16, pl. 2-14
»	P114	a	16.05	Los Angeles, V. B. coll. (1999), (27ø-11h), Ex-Bowlin-2, **Plates 43 (X), 44**
»	P115	a		Superior (30 May 1995), 7756
»	»	b	15.33	Chicago, S. K. coll. (2004), Inv. 23 (15.33g-26.8ø-1h); Nercessian List 26 (31 March 2004), 2, (Oct. 2003), (15.35g-26ø-1h); Gorny 126 (13-14 Oct. 2003), 1447 (15.35g), **Plate 44**
»	P116	a	14.85	Moscow, 3891 (25ø-12h); (Akopyan[52] (1979), 3; C D25-R54a)
»	»	b	14.93	Hess 208 (14 Dec. 1931), 707 (24ø); (C D25-R54b)
»	»	c	14.09	Chicago, S. K. coll. (Dec. 2000), Inv. 19 (14.09g 25.9ø-1h); Nercessian coll. (2000), Inv. 5613 (14.09g-25ø-12h); Ex-Malter, **Plate 44**
»	P117	a	15.70	Erevan, Inv. 5377 (26.5ø-1h), Ex-Lazarian Institute coll., **Plate 44**
»	P118	a		J. Schulman (Sept. 1904), 637; (C D25-R55a)
»	P119	a	14.27	Ex-L. S./G. B. coll. (1994); (N-35)
»	P120	a	15.63	Los Angeles, Y. Nercessian coll. (1991), Inv. 4114 (27ø-12h); (N-31), **Plate 44**
»	»	b	15.41	San Francisco, T. K. coll. (Dec. 2000); Nercessian *Bulletin* list 20 (2001), 2 15.41g-25ø-1h); Nercessian coll. (2000), Inv. 5607 (15.41g-25ø-1h); Ex-Pegasi, **Plate 44**

[52]A. M. Akopyan, "Coins of Tigranes II in the State Historical Museum," *Vestnik Drevneĭ Istorii* (1979), No. 2 (148), pp. 77-79, pl. Nos. I-IV (in Russian with English summary).

A41	P121	a	15.40	CNG 36 (5-6 Dec. 1995, *Araratian Coll.*), 553/2; (N-219), **Plate 45**
»	P122	a	15.86	Coin Galleries (13 July 1994), 1861
»	»	b	15.77	Los Angeles, H. I. coll. (1997), (15.77g-25ø-1h); CNG 43 (24 Sept. 1997), 744 (15.77g); (N-222), **Plate 45**
»	P123	a	15.42	Berlin, W. E. coll. (1996), Inv. 2 (25.5ø-1h); Gorny 78 (13 June 1996), 285, **Plate 45**
»	P124	a	15.80	Helbing (9 April 1913), 714 (27ø); (C D25-R56a)
»	P125	a	15.41	Chicago, S. K. coll. (Dec. 2000), Inv. 22 (15.41g-27ø-12h); Nercessian coll. (2000), Inv. 5612 (27ø-12h); Ex-Malter, **Plate 45**
»	P126	a	15.25	Los Angeles, V. B. coll. (1999), (25ø-1h); Ex-Windsor Antiques
»	P127	a	15.50	Kölner Münzkabinett 25 (9-10 April 1978), 32 (15.50g); Kölner Münzkabinett 22 (7-9 Nov. 1977), 95 (15.50g); (C D25-R57a)
»	»	b	15.48	Nercessian *Bulletin* list 10 (1980), 1 (25ø)
»	P128	a	15.53	Washington, DC, Smithsonian Institution, NNC, Inv. CD38 027/028 (15.531g-26ø-12h), **Plate 45**
»	»	b	15.42	Spink 102 (2 March 1994, *Donabedian Coll.*), 128 (15.421g), **Plate 45**
»	»	c	15.90	Chicago, S. K. coll. (Feb. 2004), Inv. 24 (15.90g-25.7ø-12h); Los Angeles, Freeman and Sear (22 June 2001), (Nercessian, *Freeman and Sear Hoard*, A41-P138c), (15.90g-25ø-12h)
»	P129	a	15.60	Los Angeles, Y. Nercessian coll. (1974), Inv. 1032 (25ø-1h); Ex-Berk, ⋔ , **Plate 45**

Group 4: On rock, monogram ⸸ ; in r. field, to r. of palm-branch, ϕ , ⸸ or a dot (.); (varieties indicated)

A41	P130	a	15.57	Gorny 130 (8-9 March 2004), 1299 (15.57g);

A41	P130			Kricheldorf 25 (8-9 May 1972), 110; (C D25-R1a), (.), **Plate 46**
»	»	b	15.75	Berlin, Imhoof-Blumer (1900), (26ø-12h), (.), **Plate 46**
»	»	c	15.75	Spink 46 (9 Oct. 1985), 158; (C D25-R1b), (.)
»	»	d	16.07	Berk 53 (27 April 1988), 211; Elsen list 92 (Sept. 1986), 61 (16.07g); (C D25-R1c), (.)
A42	P131	a		MM list 226 (Sept.-Oct. 1962), 26; (C D26-R1a), ϕ , **Plate 46**
»	P132	a	15.53	*Jameson Coll*[53] (1913), 1764 (CAA, pl. 2-26; C D29-R10a), ϕ , **Plate 46**
»	»	b	15.50	CNG 36 (5-6 Dec. 1995, *Araratian Coll.*), 560; (N-234), ϕ , **Plate 46**
»	P133	a	15.29	Los Angeles, V. B. coll. (2001), (15.29g-27.6ø-1h); Andeavor After; Ex-Kirk Davis, ϕ , **Plate 46**
»	P134	a	15.89	Los Angeles, Y. Nercessian coll. (2000), Inv. 5609 (27ø-12h); Gorny 102 (24 May 2000), 326 (15.89g), ϕ , **Plate 46**
»	P135	a	16.02	Los Angeles, Y. Nercessian coll. (2001), Inv. 5625 (16.02g-26ø-1h); Gorny 107 (2 April 2001), 274 (16.02g), ϕ , **Plate 47, 47 (X)**
»	P136	a	15.59	Credit Suisse 4 (3 Dec. 1985), 660; (C D26-R2a), ϕ , **Plate 47**
»	»	b	15.21	Ex-Guevrekian coll. (1991), (27ø-12h); (N-63), ϕ
A43	P137	a	15.1	Sotheby and Co. (4-5 April 1973), 688 (26ø-12h); (C D27-R3a), ϕ
»	P138	a		Glendining (7-8 Nov. 1979), 124; (C D27-R4a), ϕ
»	P139	a	15.95	Los Angeles, V. B. coll. (2001), (5.95g-26ø-12h); CNG e-auction 61441, ϕ , **Plate 47**
»	P140	a	15.6	Karen Vardanyan coll. (26.4ø), ϕ , **Plate 47**

[53] R. Jameson, *Monnaies grecques antiques, collection R. Jameson* (Paris, 1913), Vol. I, p. 425, pl. XC.

A43	P141	a		*Caucasian Albania* (Dadasheva (1976), pl. 3-29; C D27-R5a), ⦶
»	»	b	15.67	Ariadne (7 Dec. 1982), 153; (C D27-R5b), ⦶
»	»	c	15.89	Los Angeles, Y. Nercessian coll. (3 Oct. 2005), Inv. 5679 (15.89g-27ø-1h); CNG 70 (21 Sept. 2005), 369 (15.89g-1h), ⦶ , **Plate 48, 48 (X)**
»	P142	a	15.1	Ward[54] (1902), pl. 20-805; Hill[55] (1901), pl. 20-805 (15.1g-26.5ø), ⦶ , **Plate 48**
»	P143	a	16.08	Los Angeles, Y. Nercessian coll. (2001), Inv. 5640 (16.08g-24ø-1h); Gorny 113 (18 Oct. 2001), 5296 (16.08g), ϕ , **Plate 48**
»	»	b	16.02	Berk 109 (20 July 1999), 231, ϕ
»	»	c	15.85	Los Angeles, H. I. coll. (1996), (15.85g-24ø-1h); Colosseum 85/list 124 (21 Nov. 1995), 5, ϕ , **Plate 48**
»	P144	a	15.59	Glendining (10 Dec. 1986), 331 (15.59g-12h); Glendining (21-23 Feb. 1961), 2653; *SNG Lockett* (1957), 3202 (15.59g-1h); (C D27-R6a), ϕ
»	P145	a	15.60	Vedrines (30 March 1989), 66 (15.60g); Monnaies de Collection 3 (17-19 Dec. 1982), 239 (15.60g); (C D27-R7a), ⦶
A44	P146	a		W. Otto,[56] (1939) pl. 12-7), ⦶
A45	P147	a	16.02	Cambridge (27.5ø-12h); (*McLean Coll.* (1929), pl. 343-10), 9360 (16.02g-27.5ø-12h); (C D28-R8a), ⦶
»	»	b	13.64	Chicago, S. K. coll., Inv. 18 (26.8ø-12h); Ex-James Beach, ⦶
»	P148	a	16.02	CNG 61 (25 Sept. 2002, *Panossian Coll.*), 888, ⦶ , **Plate 49**
»	P149	a	14.92	New York (Newell[57] (1918), pl. 13-A; Bed.

[54] J. Ward, *Greek Coins and Their Parent Cities* (London, 1902).
[55] G. F. Hill, *Descriptive Catalogue of Ancient Greek Coins* (London, 1901).
[56] Walter Otto, *Handbuch der Archäologie* (Munich 1939).
[57] E. T. Newell, *The Seleucid Mint of Antioch* (New York, 1918).

1968, pl. 9-8; CAA, pl. 2-20; Foss (1986), pl. 5-F2; C D28-R9a), ϕ , **Plate 49, 49 (X)**

A45 P150 a 15.48 Erevan, Inv. 12513 (27.6ø-1h); (MD pl. 3 - [29]27/G), ϕ , **Plate 49**

» P151 a 15.57 Erevan, Inv. 19759/1 (28.7ø-1h), gift by Svajian, 1990, ϕ , **Plate 49**

Group 5: Between palm-branch and Tyche's head, A ; to r. of palm-branch, an uncertain letter; in r. field, above swimmer's head, ⋕

A46 P1 a 14.99 Erevan, Inv. 18215/11, (27ø);[58] (Mousheghian (1997), *Numismatics of Armenian History*, p. 153-17), **Plate 50**

Group 6: Above swimmer's head, in r. field, T , ⊤ , or ⊽ (the first and last indicated)

A47 P1 a 15.79 Bourgey (27-29 Oct. 1992, *N. K. Coll.*), 846 (12h); (CAA, pl.3-41/35; Boutin (1983), *N. K. Coll.*, 1106 (15.79g); CD31-R10a), T, **Plate 50**

» » b 14.76 G. Hirsch 242 (22-24 Sept. 2005), 2254[59]

» P2 a Asta Internationale del Titano 17 (9-10 June 1984), 50, T

» P3 a 15.5 Ex-Donabedian[60] coll. (Money, Numismatics, 1967), p. 354-7 (no letter or monogram in r. field), **Plate 50**

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[58] Ruben Vardanyan in a private communication to Y. T. Nercessian, published in ANJ, Ser. I, Vol. XXVII (June 2001), No. 2, p. 31, states that tetradrachm A46-P1a listed above is not in the History Museum of Armenia collection.

[59] This tetradrachm has been withdrawn from the auction. It has been examined and determined that it was a probable forgery.

[60] A. H. M. Donabedian, "Money, Numismatics," carefully study No. 7; "A glance at the Unpublished Coins of Tigranes III," *Janasēr*, Vol. XXXI (January 1968), No. 1, pp. 10-12, illus. (both in Armenian). Study first the picture on p. 12. This coin seems similar to the preceding coin, a different flan, but the letter "T" in r. field is missing from the reverse. Note that when the Donabedian coin collection was auctioned by Spink and Son on 2 March 1994, in London, this coin was not included in the catalogue.

A48	P4	a	16.05	*Spink N. Circ.* list 71-6 (June 1971), 6595; (C D30-R1a), **Plate 50**
»	P5	a	17.87	Kastner 6 (26 Nov. 1974), 200; (C D30-R3a)
»	P6	a	15.99	Bourgey (4 March 1960), 203 (15.99g); Glendining (19-21 July 1950), 217 (15.97g); (C D30-R4a), **Plate 50**
»	»	b	15.47	Coin Galleries (12 Feb. 1992), 258; (C D30-R4b)
»	»	c	15.96	Stack's (10 June 1997, *Schoonmaker Coll.*), 251 (15.96g); Gorny 52 (6 Nov. 1990), 369 (15.96g)
»	P7	a	15.6	Venice, Mekhitarist Museum coll. (CAA, pl. 2-24; C D30-R5a)
»	»	b	15.67	Ariadne (15 Sept. 1982), 124; (C D30-R5b)
»	»	c	15.89	Los Angeles, V. B. coll. (2001), (15.89g-28ø-12h); Los Angeles, Freeman and Sear (22 June 2001), (Nercessian, *Freeman and Sear Hoard*, A48-P7g), (15.44g-28ø-12h), **Plate 50**
»	»	d	15.05	Erevan, Inv. 5382, (27.6ø-1h), Ex-Lazarian Institute coll.
»	»	e	15.98	CNG 36 (5-6 Dec. 1995, *Araratian Coll.*), 557 (15.98g); Waddell list 59 (Spring 1993), 76 (15.77g); (N-58, N-229)
»	»	f	15.50	G. Hirsch 185 (15-18 Feb. 1995), 463 (15.50g); Gorny 62 (20 April 1993), 315 (15.69g); (N-232), **Plate 50**
»	P8	a	15.85	Los Angeles, V. B. coll. (2002), (15.85g-29ø-12h); CNG *Review* XXVII (Summer 2002), 49 (15.85g); Freeman and Sear 7 (22 Feb. 2002), 204 (15.85g); Los Angeles, Freeman and Sear (22 June 2001), (Nercessian, *Freeman and Sear Hoard*, A48-P7f),[61] (15.87g-30ø-11h), reverse double struck, **Plate 51**

[61] Reverse double struck.

A48	P9	a	15.94	Washington, DC, G. M. coll. (1974), Inv. 13 (28ø-12h); Ex-Demirjian
»	»	b	15.86	Los Angeles, Y. Nercessian coll. (3 July 2001), Inv. 5633 (15.86g-28ø-11h); Los Angeles, Freeman and Sear (22 June 2001), (Nercessian, *Freeman and Sear Hoard*, A48-P8b), **Plate 51**
»	P10	a	15.04	Watertown, MA, Armenian Library and Museum of America coll., Inv. 99.492 (12h), gift by Bedoukian, 1999; P. Z. Bedoukian coll.; (CAA 24, pl. 3-40; C D30-R6a)
»	»	b	15.85	Peus 340 (2 Nov. 1994, *Jamgochian Coll.*), 449 (15.85g); Gorny 56 (7 Oct. 1991), 291 (15.86g); (N-56), **Plate 51**
»	»	c		Demirjian list 4 (1975), 172a
»	»	d	15.90	CNG 67 (22 Sept. 2004), 837, **Plate 51**
»	P11	a	15.49	Chicago, S. K. coll. (Oct. 2001), Inv. 26 (15.49g-25.7ø-12h); Nercessian List 21 (1 Oct. 2001), 2 (15.49g-26ø-11h); Los Angeles, Y. Nercessian coll. (3 July 2001), Inv. 5635 (15.47g-26ø-11h); Los Angeles, Freeman and Sear (22 June 2001), (Nercessian, *Freeman and Sear Hoard*, A48-P9.1a), **Plate 51**
»	P12	a	15.67	Brussels; Feuardent (31 March 1886), 818 (15.67g-26.6ø-12h); (Naster (1959), pl. 87-1632 (15.88g-26ø-1h), *Coll. de Hirsch*; C D30-R7a)
»	»	b		Leyde (Dompierre de Chaufepié (1900), pl. 118-172); (C D30-R7b)
»	»	c		Scheiner 41, 5377; (C D30-R7c)
»	»	d	15.82	Lanz 64 (7 June 1993), 303 (12h); (N-59), **Plate 51**
»	»	e	15.70	Pegasi 97 (29 April 1996), 126; CNG 36 (5-6 Dec. 1995, *Araratian Coll.*), 558 (15.70g); (N-230)
»	»	f	16.18	Lanz 66 (22 Nov. 1993), 329 (12h); (N-117)
»	»	g	15.76	*Spink N. Circ.* list 106-6 (July 1998), 4485; Baldwin 17 (5-6 May 1998), 29

A48	P12	h	15.89	Leu list (Autumn 1998), 96
»	»	i	15.92	Los Angeles, V. B. coll. (2002), (15.92g-31ø-1h); Los Angeles, Freeman and Sear (22 June 2001), (Nercessian, *Freeman and Sear Hoard*, A48-P10i), (15.92g-29ø-12h), **Plate 51**
»	»	j	15.44	Los Angeles, V. B. coll. (2002), (15.44g-31ø-12h); CNG e-Auction 55 (2002), 56
»	P13	a	16.04	Numismatica Ars Classica 5 (25 Feb. 1992), 167; (C D30-R8a)
»	»	b	15.65	Kovacs list 28 (Spring 1995), 36 (15.65g); Gorny 58 (9 April 1992), 455 (15.66g), **Plate 52**
»	»	c	16.03	*Spink N. Circ.* list 102-7 (Sept. 1994), 5442
»	»	d	15.89	CNG 27 (29 Sept. 1993), 7; (N-60), **Plate 52**
»	»	e	15.66	Shore 65 (8 Feb. 1994), 44
»	P14	a	15.90	Sternberg 25 (25-26 Nov. 1991), 166; (C D30-R9a), **Plate 52**
»	»	b	16.08	*Hunterian* 4; (MD pl. 5-49F)
»	P15	a	15.87	Sotheby's (27-28 Oct. 1993), 871; (N-119), **Plate 52**
»	»	b	16.16	Sotheby's (27-28 Oct. 1993), 870 (16.16g); Lanz 62 (26 Nov. 1992), 428 (16.15g-11h); (N-118), **Plate 53**
»	»	c	15.64	CNG 63 (21 May 2003), 600
»	P16	a	15.91	Boston, R. A. coll. (1994); Coin Galleries (12 April 1994), 109 (15.91g); Coin Galleries (14 July 1993), 87 (15.91g); Stack's (9-10 Dec. 1992), 3123 (15.91g)
»	»	b	15.74	Los Angeles, Y. Nercessian coll. (3 July 2001), Inv. 5634 (15.74g-28ø-11h); Los Angeles, Freeman and Sear (22 June 2001), (Nercessian, *Freeman and Sear Hoard*, A48-P14b), **Plate 53**
»	P17	a	15.73	Los Angeles, S. K. coll. (2005), (15.73g-28ø-12h); Gorny 138 (7-8 March 2005), 155 (15.74g), **Plates 52 (X), 53**

A48	P18	a	15.80	Erevan, Inv. 19759/2 (28.9ø-1h), gift by Svajian, 1990, **Plate 53**
»	»	b	15.43	Kirk Davis list 35 (Summer 2001), 70, (15.43g-29ø-11h); (Nercessian, *Freeman and Sear Hoard*, A48-P15b), **Plate 53**
»	»	c	16.03	Gorny 129 (8 March 2004), 188
»	P19	a	15.86	Spink 102 (2 March 1994, *Donabedian Coll.*), 151 (15.864g), **Plate 53**
»	P20	a	16.15	Los Angeles, Y. Nercessian coll. (1997), Inv. 5509 (28ø-11h); CNG 42 (29-30 May 1997), 575; Superior (12 Aug. 1994), 1998; (N-231), **Plate 53**
»	P21	a	15.44	CNG Review 16-1 (1st Quarter 1991), 136 (15.44g); Gorny 50 (24 Sept. 1990), 400 (15.44g); (N-54)
»	»	b	16.21	G. Hirsch 175 (23-26 Sept. 1992), 519; (N-53), **Plate 54**
»	»	c	15.36	Ex-Guevrekian coll. (1991), (15.36g), (28ø-11h); Empire Coins list 56 (1991), 42; (N-55), **Plate 54**
»	P22	a	15.48	Ex-Guevrekian coll. (1991), (27ø-11h); (N-57), **Plate 54**
»	P23	a	17.78	CNG Review 18-4 (4th Quarter 1993), No. 65; (N-116), **Plate 54**
»	P24	a	15.81	New York; (CAA, pl. 2-25; Foss (1986), pl. 5-L1; C D30-R2a), ∇
»	»	b	15.96	Münzhandlung 10 (15-16 March 1938), 387 (15.96g): Naville 12 (18-23 Oct. 1926, *Petrowicz Coll.*-2), 1986 (15.97g-26ø); (C D30-R2b), ∇
»	»	c	16.09	Lanz 56 (13 May 1991), 227 (12h); (C D30-R2c), ∇
»	»	d	15.98	NFA 29 (13 Aug. 1992), 176; (N-61), ∇ , **Plate 55**
»	»	e	15.92	NFA 33 (9 Sept. 1993), 267; (N-120), ∇

A48 p24 f 15.84 Long Island, NY, H. A. coll. (1995), (15.84g-28ø-11h); CNG 36 (5-6 Dec. 1995, *Araratian Coll.*), 559 (15.84g-27ø-11h); (N-233), ∇ , **Plate 55**

» » g 15.59 Los Angeles, Y. Nercessian coll. (1991), Inv. 4118 (28ø-12h); (N-62), ∇ , **Plates 54 (X), 55**

Group 7: On rock, monogram Σ̊ , Ⓜ and Σ̊ , Ⓜ and ⚢ , Ⓜ and ⚠ , ⚥ and ⊖ (dies indicated)

A49 P1 a 14.99 Bourgey (8 March 1999), 55 (14.99g); Bourgey (27-29 Oct. 1992, *N. K. coll.*), 845 (12h); (Boutin (1983), *N. K. Coll.*, 1105 (14.99g); C D32-R1a), **Plate 55**

» » b 15.61 *Spink N. Circ.* list 99-9 (Nov. 1991), 7007; (N-50), **Plate 55**

» P2 a 15.46 New York (15.46g); Naville 10 (15-18 June 1925, *Petrowicz Coll.*), 1561 (15.43g-28ø); (CAA, pl. 2-23; Foss (1986), pl. 5-I1; C D32-R2a), **Plate 55**

» P3 a 15.61 Moscow, Inv. 3889 (26ø-12h); (Akopyan (1979), 1; C D32-R3a)

» P4 a 15.25 G. Hirsch 185 (15-18 Feb. 1995), 462 (15.25g); Hild 67 (16-17 Sept. 1994), 259; G. Hirsch 95 (5-6 Dec. 1975), 81 (15.25g); (N-228; C D32-R4a), **Plate 55**

» P5 a 15.7 Ball list 39 (April 1937, year 13), 647

» P6 a 15.15 CNG 51 (15 Sept. 1999, *Araratian Coll.*-3), 753, **Plate 56**

» P7 a 15.42 Lanz 62 (26 Nov. 1992), 422 (12h), **Plate 56**

» P8 a 15.43 Monetarium list 61 (Spring 1994), 77

» P9 a 15.73 Los Angeles, Y. Nercessian coll. (1995), Inv. 5159 (15.73g-27ø-12h); CNG 36 (5-6 Dec. 1995, *Araratian Coll.*), 556 (15.73g); (N-227), **Plate 56, 56 (X)**

» P10 a 15.43 San Bernardino, A. N. coll. (2005), (15.43g-28ø-12h; Los Angeles, S. K. coll. (2004); Coin

				Galleries (14 December 2004), 215 (15.47g), **Plate 56**
A50	P11	a	15.61	Lanz 62 (26 Nov. 1992), 421 (12h), **Plate 57**
»	P12	a	15.19	Gorny 44 (3 April 1989), 451 (15.19g); J. Schulman (30 March 1910), 298 (15.2 g.-26ø); (C D32-R5a), **Plate 57**
A51	P13	a		Malter 15 (27-28 Sept. 1980), 16
A52	P14	a		New York (Foss (1986), pl. 5-I4); (C D33-R6a), Ⓨ , **Plate 57**
A53	P15	a	15.54	Bourgey (8 March 1999), 54 (15.54g); Bourgey (27-29 Oct. 1992, *N. K. Coll.*), 844 (15.54g-12h); (Boutin (1983), *N. K. Coll.*, 1104 (15.54g); C D34-R7a), **Plate 57**
»	P16	a	15.68	Oxford, Bodleian (28ø-1h); (C D34-R8a), Ⓨ , **Plate 58**
»	»	b	15.15	Erevan, Inv. 8920 (27.4ø-1h), Ex-Etchmiadzin Museum coll.; (*Trésors* (1996), p. 215, No. 198)Ⓨ
»	»	c	14.68	Denver, CO, J. C. coll. (2004), Inv. JC816 (27ø-1h), Ⓨ
»	P17	a	15.74	Los Angeles, Y. Nercessian coll. (1997), Inv. 5511 (15.74g-27ø-12h); Ex-Markov; MM 85 (11 April 1997), 134 (15.73g); Auctiones 26 (16 Sept. 1996), 270; (N-239), Ⓨ and ⊡ , **Plates 57 (X), 58**
»	»	b	15.65	CNG 36 (5-6 Dec. 1995, *Araratian Coll.*), 561; (N-236), Ⓨ and ⊡ , **Plate 58**
»	P18	a	15.71	*SNG Milan* 447, Inv. M.0.9.20176, Brera 3403 (27ø-12h); (MD pl. 1-4/B), **Plate 58**
»	P19	a	15.02	CNG 64 (24 Sept. 2003), 359 (fourrée), Σ̊ , Ⓨ on swimmer, **Plate 58**
A54	P20	a	15.50	G. Hirsch 175 (23-26 Sept. 1992), 517; (N-42), **Plate 58**
A55	P21	a		Peus list 32 (Dec. 1972), 38; (C D35-R9a), Ⓨ
»	P22	a	14.88	Glendining (18-20 April 1955), 599; (C D35-R10a)

A55	P23	a	15.68	NFA 28 (23 April 1992), 760 (15.68g); Hesperia list 33, 44; (N-66; C D35-R11a), **Plate 58**
»	P24	a	15.35	Bedoukian, *A Hoard of Copper Coins* (1991), (1h), p. 16, pl. 2-8
»	P25	a	15.29	CNG 36 (5-6 Dec. 1995, *Araratian Coll.*), 562; (N-238), Ⓨ , **Plate 59**
»	P26	a	15.19	Los Angeles, V. B. coll. (2001), (15.19g-29ø-12h);[62] Amphora 76 No. 158 (David Hendin)
»	P27	a	15.4	Watertown, MA, Armenian Library and Museum of America coll., Inv. 99.495 (1h), gift by Bedoukian, 1999; P. Z. Bedoukian coll., Ⓨ , **Plate 59**
»	P28	a	15.37	CNG 20 (25 March 1992), 173; (N-67), Ⓨ
»	P29	a	15.63	Los Angeles, Y. Nercessian coll. (3 July 2001), Inv. 5637 (15.63g-27ø-12h); Los Angeles, Freeman and Sear (22 June 2001), (Nercessian, *Freeman and Sear Hoard*, A63-P83.1a), Ⓨ , **Plate 59**
»	P30	a	15.50	Peus 333 (6-11 May 1992), 349, Ⓨ , **Plate 59**
»	P31	a	15.35	Lanz 66 (22 Nov. 1993), 327 (12h); (N-121), Ⓨ , **Plate 60**
»	P32	a	15.69	CNG 36 (5-6 Dec. 1995, *Araratian Coll.*), 563, Ⓨ , **Plate 60**
»	»	b	15.78	Gorny 141 (10 Oct. 2005), 176, Ⓨ
»	P33	a	15.73	San Bernardino, A. N. coll. (2005), (15.73g-27ø-12h); Los Angeles, S. K. coll. (2004); Gorny 134 (11-12 Oct. 2004), 1570 (15.75g), **Plate 60**
»	P34	a	15.06	Karen Vardanyan coll. (27.2ø)
»	P35	a	15.68	Lanz 62 (26 Nov. 1992), 423 (12h), (𐌀 , Ⓨ), **Plates 59 (X), 60**
»	P36	a	15.48	San Bernardino, A. N. coll. (2005), (15.48g-27ø-1h); Los Angeles, S. K. coll. (2003); Lanz 114 (26 May 2003), 182 (15.49g-1h), (M , ⊖), **Plate 61**

[62] Obverse double struck, unidentifiable object in l. field.

A56	P37	a	15.83	Los Angeles, Y. Nercessian coll. (Sept. 2005), Inv. 5677 (15.83g-26ø-12h); Ex-Berk (⍓ , ɵ)
»	P38	a	15.05	Paris, De Clercq, 261 (27ø-12h); (Le Rider and Seyrig (1968); C D37-R13a), **Plates 60 (X), 61**
A57	P39	a	15.46	New York (CAA, pl. 3-33;[63] C D38-R14a), **Plate 61**
»	P40	a	15.32	London, Inv. BMC 6 (27ø-12h); (C D38-R17a), **Plate 61**
»	P41	a	15.82	Los Angeles, V. B. coll. (2004), (15.82g-29ø-12h); CNG 67 (22 Sept. 2004), 836 (15.82g); Empire Coins list 56 (1991), 41, **Plate 61**
»	P42	a	15.06	Spink 102 (2 March 1994, *Donabedian Coll.*), 141C (15.058g), **Plate 61**
»	P43	a	15.47	Vienna, Inv. 20793 (27ø-12h)
»	»	b	15.27	Milwaukee, WI, L. S. coll. (1991), (15.273g-27.8ø-12h); (N-52), **Plate 61**
»	P44	a	15.2	Athens National Musaeum, Athens Exposition (12h); (C D38-R18a)
»	P45	a	15.69	Bourgey (8 March 1999), 58 (15.69g); Bourgey (27-29 Oct. 1992, *N. K. Coll.*), 854 (15.69g-12h); (Boutin (1983), *N. K. Coll.*, 1103 (15.69g); C D38-R20a), **Plate 62**
»	P46	a	15.26	Boston, R. A. coll. (1992); Coin Galleries (15 April 1992), 247 (15.26g); Stack's (1991), 79
»	P47	a	14.69	Bourgey (4 March 1960), 204; (C D38-R15a), **Plate 62**
»	P48	a	15.52	Ariadne (9 Dec. 1983), 144; (C D38-R16a)
»	P49	a	15.54	Spink 102 (2 March 1994, *Donabedian Coll.*), 141A (15.537g), **Plate 62**
»	»	b	15.39	Superior (30 May 1995), 7755; Malter 39 (2 April 1989), 496 (15.39g)

[63] On A57 dies, the tiara may have an eight-rayed (**Plate 62,** A57-P49e) or a six-rayed star (**Plate 62,** A57-P45a). Two horizontal rays, across the beaks of eagles, may or may not be visible.

A57	P49	c		Erevan (MD pl. 1-4/C)[64]
»	»	d	15.27	Moscow, Inv. 3890 (26ø-12h); (Akopyan (1979), 2; C D38-R19a)
»	»	e	15.46	Los Angeles, Y. Nercessian coll. (1 June 2001), Inv. 5626 (15.46g-29ø-11h); Ex-Schinke; G. Hirsch 214 (15-17 Feb. 2001), 1542 (15.44g), **Plate 62, 62 (X)**
»	P50	a	15.18	Berlin, W. E. coll. (2002 in Munich), Inv. 6 (27.5ø-1h), **Plate 63**
»	»	b	14.71	Los Angeles, Y. Nercessian coll. (3 June 2005), Inv. 5676 (14.71g-27.5ø-12h); Ex-Pars
»	P50.1	a	15.83	CNG Triton IX (10-11 Jan. 2006), 987, (30ø-11h), (late addition, data not tabulated), **Plate 63**
»	P51	a	15.42	G. Hirsch 173 (19-22 Feb. 1992), 496 (15.42); Lanz 58 (21 Nov. 1991), 347 (15.40g-12h); (N-43)
»	»	b	15.20	CNG 63 (21 May 2003), 601, **Plate 63**
»	P52	a	15.23	CNG 36 (5-6 Dec. 1995, *Araratian Coll.*), 555; (N-223), **Plate 63**
»	»	b	15.41	Philadelphia, PA, M. P. coll. (1985), (28ø-12h)
»	P53	a	15.88	*Spink N. Circ.* list (April 2000), 1353
»	P54	a	15.86	Spink 50 (6-7 March 1986), 74
»	P55	a	15.16	Watertown, MA, Armenian Library and Museum of America coll., Inv. 86.9.2 (12h), gift by Bedoukian, 1986; P. Z. Bedoukian coll.; Nercessian *Bulletin* list 5 (1975), 2 (15.16g-28.5ø), **Plate 63**
»	P56	a	14.38	Erevan, Inv. 5376 (30.2ø-1h), private purchase; (MD pl. 1-4/E)
»	P57	a	15.15	Chicago, S. K. coll. (1998), Inv. 27 (15.15g-29.2ø-12h); CNG 46 (24 June 1998, *Araratian Coll.*-2), 669 (15.13g); (N-224), **Plate 63**

[64] Ruben Vardanyan in a private communication to Y. T. Nercessian, published in ANJ, Ser. II, Vol. 1 (June 2005), No. 2, pp. 51 and 52, states that tetradrachm A57-P49c listed above is not in the History Museum of Armenia collection.

A57	P58	a	15.32	Spink 102 (2 March 1994, *Donabedian Coll.*), 141B (15.315g), **Plate 63**
»	P59	a		Boston, R. A. coll.
»	P60	a	15.43	Watertown, MA, Armenian Library and Museum of America coll., Inv. 99.493 (12h), gift by Bedoukian, 1999; P. Z. Bedoukian coll.; J. Hirsch 13 (15 May 1905), 4480 (31ø); (C D38-R21a)
»	P61	a	15.61	Spink 102 (2 March 1994, *Donabedian Coll.*), 141 (15.611g), **Plate 64**
»	P62	a	15.10	Spink 102 (2 March 1994, *Donabedian Coll.*), 141D (15.101g), **Plate 64**
»	P63	a	15.60	Erevan, Inv. 17619/6 (29.6ø-12h), gift by Kalaijian, 1960; (Mousheghian (1997), *Num. of Arm. History*, p. 153, No. 18), **Plate 64**
»	»	b	15.24	Los Angeles, V. B. coll. (2000), (15.24g-29ø-12h); Pegasi 119 (30 May 2000), 139 (15.21g), **Plate 64**
»	P64	a	15.39	Gorny 50 (24 Sept. 1990), 397, **Plate 65**
A58	P65	a		Feuardent (17-19 Dec. 1919), 402; (C D39-R23a)
»	P66	a	15.59	Los Angeles, Freeman and Sear (22 June 2001), (Nercessian, *Freeman and Sear Hoard*, A57-P46.1a), (15.59g-26ø-1h), **Plate 65**
»	P67	a		G. Hirsch 49 (24-28 Oct. 1966), 562; (C D39-R24a)
»	P68	a	14.95	Milwaukee, WI, Ch. H. coll. (1991); (N-51)
»	P69	a	15.60	Nercessian *Bulletin* list 15 (1991), 3 (15.60g-27ø-11h); Ariadne and Galerie des Monnaies (9 Dec. 1981), 295 (15.55g); (N 47; C D39-R25a), **Plates 64 (X), 65**
»	P70	a	16.00	Los Angeles, S. K. coll. (2005); Ex-Pars
»	P71	a	14.51	Nercessian *Bulletin* list 11 (1985), 1 (14.51g-28ø); Nercessian *Bulletin* list 10-K (1982), 392 (14.51g-28ø)
»	P72	a	15.63	Berlin, Löbbecke (1906), Inv. 2690, (27ø-12h)

A58	P73	a	14.87	Rauch 41 (6-8 June 1988), 320; (C D39-R26a)
»	P74	a	15.39	Spink 102 (2 March 1994, *Donabedian Coll.*), 143 (15.390g), **Plate 65**
»	P75	a	15.46	San Bernardino, A. N. coll. (Aug. 2005), (15.46g-29ø-1h); Los Angeles, S. K. coll. (June 2005); Ex-Pars (15.40g); G. Hirsch 184 (23-25 Nov. 1994), 346 (15.43g); G. Hirsch 181 (22-25 Feb. 1994), 372 (15.43g); G. Hirsch 179 (21-25 Sept. 1993), 605 (15.43g); G. Hirsch 174 (13-16 May 1992), 371 (15.43g); Gorny 52 (6 Nov. 1990), 367 (15.46g); (N-48; N-49), (.), **Plate 65**

Group 8: On rock, monogram Σ̊ , ⊕ and Σ̊ ; below the hand, ↑ (dies with ⊕ and dot (.) indicated)

A58	P76	a	14.97	*SNG Davis*[65] (1936), 451 (12h); (C D39-R1a), **Plate 65**
»	»	b	13.23	San Bernardino, A. N. coll. (2005), (26ø-11h); Los Angeles, S. K. coll. (2005)
»	P77	a	15.54	Chicago, S. K. coll. (June 1998), Inv. 28 (15.54g-28.3ø-12h); Nercessian 3 (2 June 1998, *Abgarians Coll.*), 2 (27ø); (N-226), **Plate 65**
»	P78	a	15.38	Nercessian *Bulletin* list 18 (1 March 1996), 5 (28ø-11h); (N-46)
»	»	b	15.84	Worcester Art Museum, Inv. 1999.4.01 (15.84g-29ø-11h), gift by Vermeule, 1999; C. Vermeule coll. (1999); Berk 109 (20 July 1999), 234 (15.84g)
»	»	c	15.74	Erevan, Inv. 16382 (28.5ø-12h), Ex-Ter-Hovhannissian coll., **Plate 66**
A60	»	d	15.61	Sotheby's (19-20 June 1991), 470 (12h); (C D40-R6a)
A59	P79	a	13.61	Los Angeles, Y. Nercessian coll. (1973), Inv. 622 (29.5ø-12h); Ex-Malter; (ACV 33), **Plate 66**

[65] SNG I, 2, *Davis Collection* (London, 1936).

A60	P79	b	15.90	Paris, Inv. 12 (28ø-1h); (E. Babelon, p. 213-12, pl. 29-9 (15.90g-28ø); CAA, pl. 2-22; C D40-R3a), **Plate 66, 66 (X)**
»	P80	a	15.66	Lisbon (15.66g-29ø-12h); Egger (7 Jan. 1908), 666 (15.66g-29ø); (*Gulbenkian Coll.* (1989), pl. 97, 1059 (15.66g-12h); C D40-R2a)
»	P81	a		MM list 179 (May 1958), 21; (C D40-R4a), **Plate 66**
»	»	b	13.40	Auctiones 12 (29-30 Sept. 1981), 755; (C D40-R4b), **Plate 67**
»	P82	a	15.94	*SNG Fitzwilliam*[66] (1971), 5833 (12h); (C D40-R5a)
»	P83	a	15.35	Los Angeles, V. B. coll. (2001), (15.35g-27ø-12h); Ex-Calgary Coins and Antiques; Künker 54 (7-10 March 2000), 2178 (15.70g); G. Hirsch 171 (25-28 Sept. 1991), 435 (15.31g); (N-44), **Plate 67**
»	»	b	15.58	Los Angeles, V. B. coll. (2002), (15.58g-28ø-12h); CNG 61 (25 Sept. 2002, *Panossian Coll.*), 889 (15.58g), **Plate 67**
»	P84	a	16.01	Chicago, S. K. coll., Inv. 29 (29.7ø-12h), **Plate 67**
»	»	b	15.33	Lanz 78 (25 Nov. 1996), 349 (15.33g-12h); G. Hirsch 184 (23-25 Nov. 1994), 347 (15.35g); (N-225), **Plate 67**
»	»	c	15.41	Karen Vardanyan coll. (15.4g-30.4ø); Gorny 126 (13-14 Oct. 2003), 1448 (15.41g),[67] **Plate 67**
»	P85	a	15.70	Vinchon (24-25 Nov. 1994), 285 (15.70g); Spink 71 (11 Oct. 1989), 104 (15.73g); (MD pl. 1-5), **Plate 67**
»	»	b	16.80	Denver, CO, J. C. coll., Inv. JC 1 (2002), (28ø-2h), **Plate 68**

[66] SNG IV, *Fitzwilliam Museum Leake and General Collections, VIII* (Syria-Nabathaea, London, 1971).

[67] Obverse and reverse double struck.

A60	P85	c	17.02	*Spink N. Circ.* list (April 2001), GK0166
»	P86	a	15.82	Washington DC, Houghton coll. (28ø-12h); (*ACNAC Houghton* (1983), 397; C D40-R7a), (.), **Plate 68**
»	P87	a	15.49	Stockholm; Naville 10 (15-18 June 1925, *Petrowicz Coll.*), 1565 (15.49g-29ø); (Appelgren, 1931, No. 244; C D40-R9a), (.)
»	P88	a	14.88	Erevan, Inv. 12510 (28.7ø-1h), private purchase; in r. field, dot (.); to r. of palm-branch A, **Plate 68**
»	P89	a	15.7	Karen Vardanyan coll. (28.9ø)
A61	P90	a	15.90	London, Inv. 1947-4-6-479, *Oman* (25ø-1h); (Foss pl. 5-J2; C D40-R8a), (.), **Plate 68**
»	P91	a		Ciani (1-2 June 1920), 143, (.)
»	P92	a	15.97	London, Inv. BMC 3 (28ø-1h); (CAA, pl. 3-31, 32; C D40-R10a), (.), **Plate 68**
»	P93	a	15.59	Los Angeles, H. M. coll. (2002), (15.59g-26ø-12h); Ex-Serge Nichaet, (.) , **Plate 68**
»	P94	a	15.69	Los Angeles, H. I. coll. (1997), (15.69g-28ø-1h); Vecchi 8 (4 Dec. 1997), 133, (.)
»	P95	a	15.49	Madrid (MD pl. 1-7), (.)
»	P96	a	15.31	Ex-Guevrekian coll. (1991), (28ø-1h); (N-45), (.), **Plate 68**
»	P97	a	15.19	G. Hirsch 212 (22-24 Nov. 2000), 409,[68] (.)
»	P98	a	15.41	Gorny 104 (9-10 Oct. 2000), 461, **Plate 69**
»	P99	a	15.59	Los Angeles, Freeman and Sear (22 June 2001), (Nercessian, *Freeman and Sear Hoard*, A60-P73.2a), (15.59g-25ø-1h), **Plate 69**
»	P100	a	14.80	Venice Mekhitarist coll.; (CAA, 3-39, also pls. 2-18 and 2-21; C D40-R11a); to. r. of palm-branch A
»	P101	a	15.65	Spink 102 (2 March 1994, *Donabedian Coll.*), 142 (15.652g), (.), ⊛ , **Plate 69**

[68] Reverse double struck.

A61	P101	b	15.29	San Bernardino, A. N. coll. (2005), (27ø-1h); Los Angeles, S. K. coll. (2005); Ex-Pars (16g), (.), ⊕
»	P102	a	15.45	Los Angeles, Y. Nercessian coll. (3 July 2001), Inv. 5636 (15.45g-27ø-1h); Los Angeles, Freeman and Sear (22 June 2001), (Nercessian, *Freeman and Sear Hoard*, A61-P75.1a), (.), ⊕ , **Plate 69**
»	P103	a	15.71	*SNG Milan* 448, Inv. M.0.9.20177, Brera 3404 (25ø-12h); (MD-pl. 1-10/B), (.), ⊕ , **Plate 69**
»	P104	a	15.37	Milwaukee, WI, L. S. coll. (1991), (15.368g-26.6ø-12h); (N-69), (.), ⊕
»	P105	a	15.07	Milwaukee, WI, L. S. coll. (1991), (15.075g-27.6ø-12h); (N-68),[69] ⊕ , **Plate 69**
»	P106	a	15.04	Erevan, Inv. 18305/1, unearthed from P'ara-k'ar tomb, 1961; received from Tiratsian, 1970 (29.7ø-1h), ⊕ , **Plate 69**
»	P107	a	15.4	Karen Vardanyan coll. (27.3ø), ⊕
»	P108	a		Kress 185 (15-16 March 1983), 456; Kress 183 (6-7 July 1982), 465; Kress 181 (5-6 Nov. 1981), 745

Group 9: On rock, monogram M

A62	P1	a	15.51	Spink 102 (2 March 1994, *Donabedian Coll.*), 144 (15.513g), **Plate 70**

Group 10: On rock, A,M or A (dies with A indicated)

A63	P1	a	15.89	Leu 61 (17 May 1995), 180 (15.89g); Tkalec (23 Oct. 1992), 156 (15.89g); (N-71), **Plate 70**
»	»	b	15.86	Peus 355 (27-29 April 1998), 740 (15.86g); NFA 27 (4-5 Dec. 1991), 76 (15.86g); (N-72)
»	»	c	15.78	Los Angeles, V. B. coll. (2002), (15.78g-27ø-11h); CNG Triton V (15-16 Jan. 2002), 1554, (15.78g), **Plate 70, 70 (X)**

[69] No ribbon "below the hand" on dies A61-P105, P106a, P107a, P108a.

A63	P1	d	15.46	Los Angeles, Y. Nercessian coll. (1992), Inv. 4215 (27ø-11h); (N-73)
»	»	e	15.61	Gorny 69 (18 Nov. 1994), 433
»	»	f	15.73	*Spink N. Circ.* list (Feb. 1996), 33
»	»	g	15.73	CNG 36 (5-6 Dec. 1995, *Araratian Coll.*), 564 (15.73g); Aufhäuser 8 (9-10 Oct. 1991), 250 (15.74g); (N-240), **Plate 70**
»	»	h	15.85	Long Island, NY, H. A. coll. (2002), (15.85g-29ø-12h); CNG 60 (22 May 2002), 1011
»	»	i	15.72	Los Angeles, V. B. coll. (2003), (15.72g-28ø-12h); CNG Triton VII (13-14 Jan. 2004), 334, (15.69g)
»	P2	a	15.91	Chicago, S. K. coll., Inv. 31 (15.91g-26.2ø-12h); Ex-CNG, **Plate 71**
»	P3	a	15.74	G. Hirsch 175 (23-26 Sept. 1992), 518; (N-78) A
»	»	b	15.12	Leu (Winter 1992/3), 94, A
»	»	c		Bourgey (14 Dec. 1934), 141; Egger 39 (15 Jan 1912), 334; (C D36-R12a), A , **Plate 71**
»	»	d	15.86	Los Angeles, Y. Nercessian coll. (3 July 2001), Inv. 5638 (25ø-11h); Los Angeles, Freeman and Sear (22 June 2001), (Nercessian, *Freeman and Sear Hoard*, A67-P2d), A , **Plate 71**
»	P4	a	15.86	CNG Triton IX (10-11 Jan. 2006), 988, (15.86g-27ø-12h); CNG 20 (25 March 1992), 172 (15.83g); (N-74), A , **Plate 71**
»	»	b	15.65	CNG 46 (24 June 1998, *Araratian Coll.*-2), 671; (N-241), A
»	»	c	15.58	CNG 27 (29 Sept. 1993), 10; (N-77), A
»	»	d	15.18	Los Angeles, Y. Nercessian coll. (1991), Inv. 4119 (27ø-12h); (N-75), A , **Plate 71**
»	»	e	15.49	Milwaukee, WI, L. S. coll. (1991), (26.4ø-12h); (N-76), A
»	P5	a	15.90	Gorny 60 (5 Oct. 1992), 250, A , **Plate 71**
»	»	b	15.90	Gorny 125 (13 Oct. 2003), 258, A, **Plate 71**
A64	P6	a	15.40	Los Angeles, V. B. coll. (2000), (25ø-12h); Ex-Carl Haig Hazarian coll. (1973), A, **Plate 72, 72 (X)**

A64	P7	a	15.90	Venice Mekhitarist coll.; (CAA, pl. 3-28; C D38-R22a), A
»	»	b		St. Petersburg (Zograph (1951), pl. 14-14), A
»	»	c	16.02	Los Angeles, S. K. coll. (June 2005), (16.02g-29.5ø-11h); Ex-Freeman and Sear; Gorny 125 (13 Oct. 2003), 256 (16.02g), A , **Plate 72**
»	»	d	15.61	Ex-Pars (Jan. 2005); CNG Triton VIII (11-12 Jan. 2005, *Cohen Coll.*), 515, (27ø-11h), A , **Plate 72**
»	P8	a	15.91	Gorny 55 (14 May 1991), 328 (15.91g); Gorny 50 (24 Sept. 1990), 401 (15.91g), A , **Plate 72**

Group 11: Behind Tyche, Δ,M, *,Δ,M or ϕ/υ,Δ,M,; in r. field, to r. of palm-branch, H (dies with * or ϕ/υ indicated)

A65	P1	a	16.45	London, Inv. BMC 8 (29ø-1h); (BMC, Syria (1878), pl. 27-6; Hill (1906), pl. 13-96; Sear (1979), 7202; Foss (1986), pl. 5-E; C D43-R1a), **Plate 73, 73 (X)**
»	P2	a	15.25	MM list 441 (Feb. 1982), 19; (C D43-R2a)
»	P3	a	15.94	San Bernardino, A. N. coll. (Sept. 2005) ; Los Angeles, S. K. coll. (April 2005), (15.94g-29ø-1h); Ex-Pars, **Plate 73**
»	P4	a	16.04	G. Hirsch 217 (27-29 Sept. 2001), 1653, **Plate 73**
»	P5	a	15.32	New York (CAA, pl. 2-29; C D43-R3a)
»	P6	a	15.88	Gorny 46 (30 Oct. 1989), 353; (C D43-R5a), **Plate 73**
»	P6.1	a	16.04	CNG Triton IX (10-11 Jan. 2006), 989, (31ø-1h), (late addition, data not tabulated), * , **Plate 74**
»	P7	a	15.50	CNG 46 (24 June 1998, *Araratian Coll.*-2), 670; (N-235), * , **Plate 74**
»	P8	a	15.45	NFA 12 (23-24 March 1983), 80;(C D43-R4a), *
»	»	b	15.69	CNG 51 (15 Sept. 1999, *Araratian Coll.*-3), 754 (30ø), * , **Plate 74**
»	P9	a	15.64	Gorny 97 (11 Oct. 1999), 518, * , **Plate 74**
»	P10	a	14.39	Los Angeles, Y. Nercessian coll. (1991), Inv. 4120 (30ø-11h); (N-65; ACV 36), * , **Plate 74**

A65	P11	a	15.93	Gorny, 107 (2 April 2001), 275, * , **Plate 74**
	P12	a	15.90	Gorny, 130 (8-9 March 2004), 1302, *
»	»	b	15.57	Los Angeles, S. K. coll. (1 Oct. 2005) (15.57g-30ø-12h); CNG 70 (21 Sept. 2005), 379 (15.57g), * , **Plate 74**
»	P13	a	15.74	Chicago, S. K. coll. (2002), Inv. 32 (15.74g-29.5ø-12h); G. Hirsch 220 (21-22 Febr. 2002), 1458 (15.75g), * , **Plate 75**
»	P14	a	15.65	Erevan, Inv. 8921 (30.6ø-1h), Ex-Etchmiadzin Museum coll., *
»	P15	a	15.59	Berlin, W. E. coll. (2002), Inv. 5 (15.59g-29.5ø-1h); G. Hirsch 220 (21-22 Febr. 2002), 1459 (15.59g), * , **Plate 75**
»	P16	a	15.56	Nercessian *Bulletin* list 15 (1991),[70] (31ø-12h); (N-64), *
A66	P17	a	15.78	Los Angeles, Y. Nercessian coll. (2000), Inv. 5610 (15.78g-30ø-12h),[71] Ex-Pars, ϕ/υ , **Plate 75, 75 (X)**
A67	P18	a	15.10	Los Angeles, V. B. coll. (2001),[72] (15.10g-29ø-11h);[73] CNG 57 (4 April 2001), 665 (15.10g); *Spink N. Circ.* list (April 2000), 1354 (15.13), ϕ/υ , **Plate 75**

DAMASCUS MINT

Tetradrachms Struck in Damascus

Obv.: Bust of Tigranes with a young man portrait draped r. as before, but tiara is ornamented with a star on the l. side and an eagle to the r. which turns its head towards the star.

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[70] Reverse double struck.

[71] Y. T. Nercessian, "Some Unpublished Coins of Tigranes the Great of Armenia," ANJ, Ser. I, Vol. XXIX (September 2003), No. 3, pp. 61-66, pl. 4, No. 1.

[72] Obverse double struck.

[73] See above, note 71.

Rev.: Draped and turreted figure of the Tyche of Damascus seated l. on a rock. At her feet the upper portion of a swimmer facing with arms outstretched. The Tyche has her r. arm extended and in her l. arm she holds a cornucopia. Legend to r. downward ΒΑΣΙΛΕΩΣ; to l. downward ΤΙΓΡΑΝΟΥ. In exergue below swimmer and in field various monograms. All within laurel wreath.

Tetradrachms

Year S.E. 241 (72-1 B.C.)

Group 1: In outer l. field, N; to l. of Tyche beneath arm, A ; in exergue ΑΜΣ

A1	P1	a	15.25	Paris, Inv. 16 (27ø-1h); (E. Babelon, p. 214-16 (15.25g-27ø); Newell[74] (1939), pl. 16-147;[75] CAA, pl. 1-12; YN Damascus mint (1995) 1; C D1-R1a), **Plate 76**

Year S.E. 242 (71-70 B.C.)

Group 1: In outer l. field, above Tyche's head, monogram [monogram] ; below hand ΦΕ above ΟΦ ; in inner l. field below arm, A ; in exergue ΒΜΣ

A2	P1	a	15.79	London, Inv. 1845-1-9-109 (27ø-12h); (Newel, *Damascus* pl. 16-148; CAA, pl. 1-13; ACV 29; YN Damascus mint 2a; C D2-R1a), **Plate 76**
»	P2	a	15.73	CNG 46 (24 June 1998, *Araratian Coll.*-2), 664 (15.73g-28ø); (Donabedian Money (1967), 16; Mousheghian (1983), *Monetary Circulation*, pl. No. 54, YN Damascus mint 2b), **Plate 76, 76 (X)**

[74] E. T. Newell, *Late Seleucid Mints in Ake-Ptolemais and Damascus* (New York, 1939).

[75] Obverse ovestruck, star-shaped object in r. field.

Year S.E. 243 (70-69 B.C.)

Group 1: In outer l. field, above Tyche's head, monogram ; below hand ΦE above OΦ ; in inner l. field below arm, A ; in exergue ΓΜΣ

A3 P1 a 12.12 Paris, Inv. 17 (28ø-12h); (E. Babelon (1890), p. 214-17, pl. 29-11 (12.10g-28ø); Newell (1930), pl. 16-149; CAA, pl. 1-14; YN Damascus mint 3; C D3-R1a), **Plate 76**

Uncertain Date

Group 1: In outer l. field above Tyche's hand monogram ; below hand, K above monogram ; in inner l. field, beneath arm, A ; exergue date off flan

A4 P1 a 15.36 New York; (CAA, pl. 1-15; YN Damascus mint 4; C D4-R1a), **Plate 77**

» P2 a 12.63 Damascus, National Museum of Syria;[76] in exergue, l. corner, a slanted line could be the l. half of letter Δ, illegible letters in exergue, **Plate 77**

SATELLITE MINT OF DAMASCUS

Tetradrachms and Drachms with Comet Tiara

Obv.: Bust of Tigranes with a young looking portrait draped r., wearing an Armenian tiara having five triangular peaks. A thick line moving upward to the r., giving the appearance of a comet star. Border of dots.

Rev.: Tyche of Antioch seated r. as before. Legend to r. downward ΒΑΣΙΛΕΩΣ; to l. downward ΤΙΓΡΑΝΟΥ. In exergue below swimmer or in field various monograms; all within laurel wreath.

[76] Obverse ovestruck, unidentifiable object in l. field.

Tetradrachms

Group 1: In exergue below swimmer, ΣΩ

A1	P1	a	15.27	Watertown, MA, Armenian Library and Museum of America coll., Inv. 99.498 (11h), gift by Bedoukian, 1999; P. Z. Bedoukian coll.; (CAA, pl. 1-10; Bedoukian, *A Hoard of Copper Coins* (1991), pl. 2-14a; C D41-R1a), **Plate 77**
»	P2	a	15.62	Washington, DC, G. M. coll. (1976), Inv. 11 (15.62g-27ø-11h); Ex-Demirjian, **Plate 77**
A2	»	b	15.82	Erevan, Inv. 18392/981 (27.5ø-11h), gift by H. and T. Ghazarossian brothers, 1971; (Mouseghian (1983), *Monetary Circulation*, pl. No. 48), **Plate 78**
A3	P3	a	16.25	Chicago, S. K. coll. (June 1998), Inv. 1 (16.25g-28.85ø-12h); Nercessian 3 (2 June 1998, *Abgarians Coll.*), 1 (16.35g-28ø); (ACV 28, YN Damascus mint 12),[77] **Plates 77 (X), 78**
»	P4	a	16.01	Los Angeles, S. K. coll. (Sept. 2005), (16.01g-26ø-12h); Ex-Kovacs; Spink 165 (8 Oct. 2003), 122, **Plate 78**

Group 2: In r. field to l. of palm-branch Π; in exergue below rock and swimmer, ΔΗΜΟ

A4	P1	a	15.92	Paris, Inv. 1968/407 (15.92g-31ø-1h); MM list 266 (July 1966), 22 (15.90g-31ø-1h); (Le Rider (1969), pl. 1-9;[78] CAA, pl. 1-11; YN Damascus mint 13; C D42-R1a), **Plate 78**
»	P2	a	16.13	Los Angeles, V. B. coll. (1999), (30ø-12h), Ex-Guevrekian, **Plate 78**

[77] The first word in the legend is spelled ΒΑΣΙΛΛΕΩΣ.

[78] G. Le Rider, "Monnaies grecques récemment acquises par le Cabinet de Paris," *Revue Numismatique*, Series VI, Vol. XI (1969), pp. 16-18, pl. 1.

Group 3: In r. field to r. of palm-branch, H; in l. field to l. of Tyche, Δ

A4 P3 a 16.24 Chicago, S. K. coll. (1998), Inv. 3 (16.24g-28.39ø-12h); CNG 46 (24 June 1998, *Araratian Coll.*-2), 663 (16.21g-28ø); (N-242)

» » b 15.41 Chicago, S. K. coll. (2002), Inv. 2 (15.41g-26.25ø-12h); Gorny 118 (14-15 Oct. 2002), 1524 (15.50g), **Plate 78**

Group 4: Between palm-branch and Tyche's head, N ; to r. of palm-branch, H ; in l. field to l. of Tyche, Δ

A4 P4 a 15.95 G. Hirsch 212 (22-24 Nov. 2000), 410, **Plate 78**

Drachms

Group 1: In r. field above the arm, ∩

a1 p1 a 3.99 CNG 36 (5-6 Dec. 1995, *Araratian Coll.*), 565 (3.99g-21ø-12h); NFA 25 (29 Nov. 1990), 216 (3.99g); (ACV 39; YN Damascus mint 14a; N-79), **Plate 79, 79 (X)**

» b 3.39 Bourgey (27-29 Oct. 1992, *N. K. coll.*), 855 (12h); (Le Rider (1969), Fig. 1; CAA, pl. 4-49; Boutin (1983), *N. K. Coll.*, 1114 (3.39g); YN Damascus mint 14c; C D38-R20a), **Plate 79**

» » c 3.80 Watertown, MA, Armenian Library and Museum of America coll., Inv. 99.491 (1h), gift by Bedoukian, 1999; P. Z. Bedoukian coll.; (CAA, p. 55, No. 49), **Plate 79**

» » d 3.69 Bedoukian, *A Hoard of Copper Coins* (1991), (10h), p. 16, pl. 2-15, **Plate 79**

Group 2: In r. field to r. of palm-branch, M

a2 p1 a 4.12 Erevan, Inv. 19006/2 (19.3ø-12h), private purchase; (Mousheghian[79] (1978), *Artaxata Hoard*-2, YN Damascus mint 14b), **Plate 79**

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[79] Kh. A. Mousheghian, "The Armenian Hoard of Artaxata," ANJ, Ser. I, Vol. IV (1978), pp. 105-124, pls. XII-XIV (in Armenian with English summary).

ARTAXATA MINT

Tetradrachms and Drachms Struck in Artaxata

Obv.: Bust of Tigranes with a mature portrait draped r., clean shaven and wearing ornate five-pointed Armenian tiara, edged with pearls. A broad diadem knotted at the back encircles the head and falls downward. Divided drapes cover the ear and the neck. The tiara is adorned with an eight-rayed star flanked by two eagles back to back and with heads turned to each other. Floral design to l. and r. of eagles. Fillet border.

Rev.: Tyche of Antioch or Artaxata, draped and wearing a turreted crown, seated r. on a rock, holding a palm-branch in her r. hand; at her feet the upper portion of a youthful male nude figure of the river-god Orontes swimming r. Legend to r. downward ΒΑΣΙΛΕΩΣ; to l. downward ΒΑΣΙΛΕΩΝ / ΤΙΓΡΑΝΟΥ. In field between palm-branch and head of Tyche the date. Below swimming figure ΞΚ. All within laurel wreath.

Tetradrachms

Δ (ΔΛ?) (=111-34=77 B.C.?) 101.2

Group 1: Between palm-branch and Tyche's head, Δ; to r. of palm-branch, A

A1	P1	a	14.40	St. Petersburg (31.5ø); (CAA, p. 48-9, field letters ΔA; Mousheghian (1983), *Monetary Circulation*, p. 293, note 147, field letters ΔHA)

ΖΛ (=111-37=74 B.C.?) 101.2

Group 1: Between palm-branch and Tyche's head, ΖΛ ; to r. of palm-branch, A; in exergue, ΞΚ

A2	P1	a	16.42	Erevan, Inv. 18215/6 (29.4ø-12h), received from Hasratian, 1969; (Mousheghian (1973), *Sarnakounk Hoard*-128; CAA, pl. 1-8; C D44-R1a), **Plates 79 (X), 80**

Group 2: Between palm-branch and Tyche's head, ZΛ ; to r. of palm-branch, Δ; in exergue, ΞK

A2 P2 a 15.47 Erevan, Inv. 19006/1 (31.4ø-12h), private purchase; (Mousheghian (1978), *Artaxata Hoard*-1), **Plate 80**

101.4

Group 3: Between palm-branch and Tyche's head, ZΛ ; in exergue, ΞK

A2 P3 a 15.73 Watertown, MA, Armenian Library and Museum of America coll., Inv. 99.496 (1h), gift by Bedoukian, 1999; P. Z. Bedoukian coll.; (CAA, p. 47, No. 7), **Plate 80**

101.1

HΛ (=111-38=73 B.C.?)

Group 1: Between palm-branch and Tyche's head, HΛ ; in exergue, ΞK

#102.1

A3 P1 a 16.20 Paris, Inv. 23 (29ø-12h); (E. Babelon (1890), p. 215-23, pl. 29-15 (16.20g-29ø); CAA, pl. 1-7; Kevorkian[80] (1996), No. 33[3]; C D45-R1a), **Plate 80**

» P2 a 15.75 Erevan, Inv. 16379 (31.3ø-11h), Ex-Ter-Hovhannissian coll.; (Mousheghian (1983), *Monetary Circulation*, pl. No. 42; CAA, p. 48, No. 9a), **Plate 80**

» » b 16.10 Los Angeles, V. B. coll. (2002), (16.10g-32ø-11h); CNG Triton V (January 15-16 2002), 1553 (16.10g); CNG 36 (5-6 Dec. 1995, *Araratian Coll.*), 544 (16.10g-31ø); (ACV 27), **Plate 80**

» P3 a 16.42 Los Angeles, Y. Nercessian coll. (1999), Inv. 5600 (16.42g-32ø-12h); Markov 7 (29-30 Sept. 1999), 102 (16.42g), **Plate 80**

» » b 16.51 Gorny 117 (14 Oct. 2002), 330 (16.51g), **Plate 81**

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[80] R. A. Kévorkian, *Arménie entre Orient et Occident* (Paris, 1996).

ΘΛ (=111-39=72 B.C.?)
Group 1: Between palm-branch and Tyche's head, ΘΛ
A4 P1 a 16.07 Berlin, W. E. coll. (2004 in Berlin), Inv. 7 (28ø-1h), **Plate 81**

Drachms
CΛ (=ΓΛ?) (=111-33=78 B.C.?)
Group 1: Between palm-branch and Tyche's head, CΛ ; in exergue, ΞC
a1 p1 a CΛ,–,ΞC St. Petersburg (CAA, pl. 4-50), **Plate 81**

ΔΛ (=111-34=77 B.C.?)
Group 1: Between palm-branch and Tyche's head, ΔΛ ; in exergue, ΞK or none
a2 p1 a 3.76 ΔΛ,Λ,ΞK Erevan, Inv. 17384 (18.6ø-12h), discovered in Shamshadin, 1955; (MMD pl. 21-1, *Tovuz Hoard*), **Plate 81**
» p2 a 4.10 ΔΛ,–,– Boston (20ø-12h); (Comstock[81] (1964), 294)
» p3 a 3.85 ΔΛ,–,– Erevan, Inv. 16385 (19.4ø-12h), Ex-Ter-Hovhannissian coll.

EΛ (=111-35=76 B.C.?)
Group 1: Between palm-branch and Tyche's head, EΛ ; to r. of palm-branch, A ; in exergue, ΞC or none
a3 p1 a 3.36 EΛ,A,ΞK Erevan, Inv. 19006/3 (22.5ø-11h), private purchase; (Mousheghian (1978), *Artaxata Hoard*-3), **Plate 81**
» p2 a 3.23 EΛ,A,ΞK Erevan, Inv. 18593/3 (18.3ø-11h), found in Artaxata, private purchase, 1974; chipped
» p3 a 4.12 EΛ,A,ΞC Erevan, Inv. 17824/51 (20ø-11h), received from Barkhudarian, 1963;

[81] Mary Comstock, *Boston Museum of Fine Arts, Greek Coins* (Boston, 1964).

					(Mousheghian (1973), *Sarnakounk Hoard*-123), **Plate 81**
a3	p3	b	3.99	ΕΛ,Α,ΞC	Gorny 36 (8 Apr. 1987), 293, **Plate 81**
»	»	c	4.07	ΕΛ,Α,ΞC	Los Angeles, Y. Nercessian coll. (4 June 2004), Inv. 5668 (4.07g-20ø-11h); Ex-Pars; Gorny 130 (8-9 March 2004), 1303, **Plate 82**
a3	p4	a	2.62	ΕΛ,Α,ΞC	Erevan, Inv. 17976/9 (17.6ø-1h), private purchase, 1966, Ex-Budumian coll.; chipped
a4	p5	a	3.86	ΕΛ,Α,ΞC	Erevan, Inv. 5381 (20.4ø-1h), Ex-Lazarian Institute coll.; (CAA, pl. 4-53), the field letter A has three legs and a vertical line joining the middle leg to the top of the letter, **Plate 81, 81 (X)**
a5	p5	b	3.58	ΕΛ,Α,ΞC	Los Angeles, H. I. coll. (1996), (3.58g-19ø-12h); CNG 39 (18 Sept. 1996), 703 (3.58g); CNG 36 (5-6 Dec. 1995, *Araratian Coll.*), 566 (3.58g); chipped; (N-244)
a6	p6	a	3.99	ΕΛ,–,–	Erevan, Inv. 17824/52 (18.7ø-1h), received from Barkhudarian, 1963; (Mousheghian (1973), *Sarnakounk Hoard*-124), **Plate 82**
»	p?	a	3.80	ΕΛ,–,–	G. Hirsch 163 (27-30 Sept. 1989), 495 (3.80g); Schenk 57 (17-19 May 1989), 283 (3.89g); Hild 52 (14 Jan. 1989), 139; Hild 51 (16-17 Sept. 1988), 122; Hild 50 (30 April 1988), 91; Hild 49 (16 Jan. 1988), 26; Hild 48 (19 Sept. 1987), 18; G. Hirsch 153 (18-20 Feb. 1987), 167 (3.84g); G. Hirsch 146 (12-15 June 1985), 146 (3.82g); (N-87)

Group 2: Between palm-branch and Tyche's head, EΛ ; to r. of palm-branch, B ; in exergue, ΞK

a7	p7	a	3.84	EΛ,B,ΞK	New York, Inv. 1944.100.62299; Naville 12 (18-23 Oct. 1926, *Petrowicz Coll.*-2), 1988 (3.84g-19ø-12h); (Petrowicz (1904), pl. 25-6 (3.84g); CAA, pl. 4-52), **Plate 82**
»	p8	a	4.44	EΛ,B,ΞK	Spink 102 (2 March 1994, *Donabedian Coll.*), 152 (4.437g), **Plate 82**
»	p9	a		EΛ,B,ΞK	(CAA, pl. 4-52)

Group 3: Between palm-branch and Tyche's head, EΛ ; to r. of palm-branch, Δ ; no exergue letters

a8	p10	a	3.9	EΛ,Δ,–	Venice Mekhitarist coll. (CAA, pl. 4-60), **Plate 82**
»	p11	a	3.93	EΛ,Δ,–	Los Angeles, Y. Nercessian coll. (1991), Inv. 4123 (21ø-12h); (N-80), **Plate 82, 82 (X)**
»	»	b	3.97	EΛ,Δ,–	Erevan, Inv. 17431/4 (22.2ø-1h), private purchase, 1957; (MMD pl. 21-3, *Tovuz Hoard* 1955)
»	p12	a	3.82	EΛ,Δ,–	Erevan, Inv. 19006/15 (20.5ø-12h), private purchase;[82] (Mousheghian (1978), *Artaxata Hoard*-15)
»	p13	a	4.00	EΛ,Δ,–	Erevan, B. S. coll. (2001), (22ø-1h)
»	p?		3.98	EΛ,Δ,–	Berlin, Löbbecke (1906), Inv. 2676, (19ø-12h)
»	p?		3.79	EΛ,–,–	Burgan (2 July 1988), 308 (20ø-12h)

Group 4: Between palm-branch and Tyche's head, EΛ ; to r. of palm-branch, E ; no exergue letters

a9	p14	a	3.63	EΛ,E,–	Erevan, Inv. 19006/16 (21.3ø-1h), private purchase; (Mousheghian (1978), *Artaxata Hoard*-16), **Plate 82**

[82] Obverse ovestruck, unidentifiable object in r. field.

a9	p15 a	3.66	EΛ,E,–	Erevan, Inv. 19006/19 (20.2ø-12h), private purchase; (Mousheghian (1978), *Artaxata Hoard*-19); chipped
»	p16 a	4.04	EΛ,E,–	Boston, R. A. coll. (1994); Coin Galleries (12 Feb. 1997), 203 (4.04g); Coin Galleries (6 Nov. 1996), 223 (4.04g); Coin Galleries (14 Feb. 1996), 145 (4.04g); Coin Galleries (12 April 1994), 110 (4.04g); Stack's (8 Dec. 1993), 2111 (4.04g); (N-122), **Plate 82**
»	p16 b	3.95	EΛ,E,–	Erevan, Inv. 5375 (20ø-12h); chipped
»	p?	3.61	EΛ,E,–	Erevan, Inv. 19006/17 (20.2ø-12h), private purchase; (Mousheghian (1978), *Artaxata Hoar*d-17); chipped
»	p?	3.43	EΛ,E,–	Erevan, Inv. 19006/21 (19.1ø-12h), private purchase; (Mousheghian (1978), *Artaxata Hoard*-21)
»	p?	4.08	EΛ,–,–	Auctiones 12 (29-30 Sept. 1981), 756 (4.08g); Demirjian list 5 (1976), 21; Superior (19-23 Aug. 1975), 3350 (3.8g); *Journal of NFA*, list III/2-4 (Autumn 1974), H298
»	p?	3.8		Watertown, MA, Armenian Library and Museum of America coll., Inv. 99.490 (12h), illegible field letters, gift by Bedoukian, 1989; Bedoukian coll.

Group 5: Between palm-branch and Tyche's head, EΛ ; to r. of palm-branch, ς ; no exergue letters

a9	p17 a	3.82	EΛ,ς,–	Erevan, Inv. 18215/5 (20ø-12h), received from Hasratian, 1969; (Mousheghian (1973), *Sarnakounk Hoard*-125; CAA, pl. 1-8); (20ø-12h), **Plate 82**
»	» b	3.36	EΛ,ς,–	Erevan, Inv. 19006/13 (20ø-12h), private purchase; (Mousheghian (1978), *Artaxata Hoard*-13); chipped

a9	p18	a	3.64	EΛ,ς,–	Erevan, Inv. 19006/8 (21.5ø-12h), private purchase; (Mousheghian (1978), *Artaxata Hoard*-8); chipped
»	p19	a	3.82	EΛ,ς,–	Erevan, Inv. 19006/7 (18.9ø-12h), private purchase; (Mousheghian (1978), *Artaxata Hoard*-7)
»	p20	a	3.90	EΛ,ς,–	Los Angeles, Y. Nercessian coll. (1979), Inv. 1597 (3.90g-20ø-12h); *Spink N. Circ.* list (Feb. 1979), 1079, **Plate 83, 83 (X)**
»	p21	a	3.97	EΛ,ς,–	Spink 102 (2 March 1994, *Donabedian Coll.*), 153 (3.969g), **Plate 83**
»	p22	a	4.0	EΛ,ς,–	St. Petersburg (CAA, pl. 4-61)

Group 6: Between palm-branch and Tyche's head, EΛ ; to r. of palm-branch, Z ; no exergue letters

a9	p23	a	3.57	EΛ,Z,–	Erevan, 18593/2 (19.2ø-12h); found in Artaxata, private purchase, 1974; chipped, **Plate 83**
»	p24	a	3.89	EΛ,Z,–	Paris, Inv. 24 (21ø-12h); (E. Babelon (1890), p. 215-24 (3.95g-21ø); CAA, pl. 4-62)
»	p25	a	3.66	EΛ,Z,–	Berlin, Imhoof-Blumer (1900), (20ø-12h)

Group 7: Between palm-branch and Tyche's head, EΛ ; to r. of palm-branch, H ; in exergue, ΞK or none

a9	p26	a	3.75	EΛ,H,ΞK	Milwaukee, WI, L. S. coll. (1997), (3.747g-19.9ø-12h); Nercessian 1 (2 May 1997, *Joseph Coll.*), 3 (3.74g-19ø); (N-245), **Plate 83**
»	p27	a	3.90	EΛ,H,–	Los Angeles, Y. Nercessian coll. (19 Sept. 2003), Inv. 5660 (20ø-12h); Ex-Pegasi, **Plate 83**
a10	p28	a	3.72	EΛ,H,–	Washington, DC, G. M. coll. (1978), Inv. 19 (3.72g-18ø-12h); Hesperia list 40/41, 177; Hesperia list 34, 129

a10	p28	b	3.99	EΛ,H,–	Erevan, Inv. 8918 (19.6ø-1h), Ex-Etchmiadzin Museum coll.
»	»	c	3.54	EΛ,H,–	Erevan, Inv. 19006/9 (21.1ø-1h), private purchase; (Mousheghian (1978), *Artaxata Hoard*-9)
»	»	d	3.17	EΛ,H,–	Erevan, Inv. 19006/14 (20ø-12h), private purchase; (Mousheghian (1978), *Artaxata Hoard*-14); chipped
»	»	e	3.28	EΛ,H,–	Erevan, Inv. 19006/20 (18.6ø-1h), private purchase; (Mousheghian (1978), *Artaxata Hoard*-20); chipped
»	p29	a	4.11	EΛ,H,–	Erevan, Inv. 12256 (20ø-1h), received from Torgsin

Group 8: Between palm-branch and Tyche's head, EΛ ; to r. of palm-branch, Θ ; in exergue, ΞK or none

a11	p30	a	4.05	EΛ,Θ,ΞK	Chicago, S. K. coll. (1998); Nercessian 3 (2 June 1998, *Abgarians Coll.*), 6 (22ø); (N-250), **Plate 84**
»	»	b	3.24	EΛ,Θ,–	Erevan, Inv. 19006/12 (19.4ø-12h), pri-vate purchase; (Mousheghian (1978), *Artaxata Hoard*-12); chipped
»	p31	a	4.09	EΛ,Θ,–	London, Inv. BMC 85, 1859-12-19-62 (20ø-11h); (*BMC Syria*,[83] pl. 27-8; CAA, pl. 4-64), pierced
»	»	b	3.74	EΛ,Θ,–	Los Angeles, V. B. coll. (1999), (3.74g-20ø-11h); Nercessian *Bulletin* list 19 (1998), 1 (3.74g-20ø-10h); Nercessian *Bulletin* list 18 (1996), 6 (3.74g-20ø); Nercessian *Bulletin* list 17 (1994), 6 (3.74g-20ø); (double struck); (N-81), **Plate 83, 83 (X)**

[83] P. Gardner, *Catalogue of Greek Coins in the British Museum: The Seleucid Kings of Syria* (London, 1878).

Group 9: Between palm-branch and Tyche's head, EΛ ; to r. of palm-branch, I ; in exergue, ΞC or none

a12	p32	a	3.88	EΛ,I,ΞC	Erevan, Inv. 19006/4 (19.8ø-10h), private purchase; (Mousheghian (1978), *Artaxata Hoard*-4), **Plate 84**
»	»	b	3.74	EΛ,I,ΞC	Erevan, Inv. 19006/5 (22.3ø-11h), private purchase; (Mousheghian (1978), *Artaxata Hoard*-5); chipped, **Plate 84**
»	p33	a	3.96	EΛ,I,ΞC	Erevan, Inv. 19006/6 (18.7ø-11h), private purchase; (Mousheghian (1978), *Artaxata Hoard*-6)
»	p34	a	3.73	EΛ,I,ΞC	St. Petersburg (CAA, pl. 4-55)
»	p35	a		EΛ,I,–	St. Petersburg (CAA, pl. 4-63)

Group 10: Between palm-branch and Tyche's head, EΛ ; to r. of palm-branch, uncertain letters; in exergue, ΞK , ΞC , or none

a13	p36	a	4.04	EΛ,?,ΞK	Paris, (19ø-12h)
a14	p37	a	3.61	EΛ,–,ΞK	London, Inv. BMC 86, 1886-7-5-3 Edwards (18ø-12h), pierced
a15	p38	a		EΛ,–,ΞC	Erevan; (MMD pl. 1-1; *Aygeshat Hoard*)
»	p39	a	3.75	EΛ,–,–	Erevan, 18593/1 (19.2ø-1h); found in Artaxata, private purchase, 1974
a16	p40	a	3.45	EΛ,–,–	Berlin, Prokesch-Osten (1875), (20ø-11h)
a17	p41	a	3.19	EΛ,–,–	Erevan, Inv. 17431/2 (18.5ø-1h), received from Gurjian, 1957; (MMD pl. 21-2), *Tovuz Hoard* (Tavush district) found in 1955.
»	p42	a	3.74	EΛ,–,–	Erevan, 17976/8 (19.6ø-12h), private purchase, 1966, Ex-Budumian coll.

Group 11: Between palm-branch and Tyche's head, ΕΛ ; to r. of palm-branch, Λ ; in exergue, ΞC or none

a18	p43	a	3.86	ΕΛ,Λ,ΞC	Oxford, gift by H. Longden, 1968 (20ø-12h), **Plate 84**
»	p44	a	3.85	ΕΛ,Λ,ΞC	Erevan (CAA, pl. 4-57)

ϛΛ (=111-36=75 B.C.?)

Group 1: Between palm-branch and Tyche's head, ϛΛ ; to r. of palm-branch, B ; in exergue, ΞK

a19	p1	a	4.15	ϛΛ,B,ΞK	Spink 102 (2 March 1994, *Donabedian Coll.*), 155 (4.151g), **Plate 84**
»	p2	a	3.89	ϛΛ,B,ΞK	St. Petersburg (CAA, pl. 4-66)

Group 2: Between palm-branch and Tyche's head, ϛΛ ; to r. of palm-branch, Γ ; in exergue, ΞK

a20	p3	a	4.08	ϛΛ,Γ,ΞK	Los Angeles, Y. Nercessian coll. (1973), Inv. 273 (20ø-11h), **Plate 84, 84 (X)**
»	»	b	4.02	ϛΛ,Γ,ΞK	Peus 340 (2 Nov. 1994, *Jamgochian Coll.*), 451 (4.02g); Hess 208 (14 Dec. 1931), 709; Ex-Steele, **Plate 84**
»	p4	a	4.00	ϛΛ,Γ,ΞK	Naville 10 (15-18 June 1925, *Petrowicz Coll.*), 1566 (20ø); Ex-Atrpet coll.
»	»	b	3.98	ϛΛ,Γ,ΞK	Erevan, Inv. 19006/28 (19.5ø-11h), private purchase; (Mousheghian (1978), *Artaxata Hoard*-28)
a21	p5	a	3.79	ϛΛ,Γ,ΞK	Los Angeles, V. B. coll. (2000), (19ø-11h); Ex-Malter, **Plate 84**
»	p6	a	3.55	ϛΛ,Γ,ΞK	Erevan, Inv. 19006/11 (21.3ø-12h), private purchase; (Mousheghian (1978), *Artaxata Hoard*-11); chipped
»	p7	a	3.55	ϛΛ,Γ,ΞK	Erevan, Inv. 19006/22 (20.4ø-11h), private purchase; (Mousheghian (1978), *Artaxata Hoard*-22); chipped

a21	p7	b	3.73	ϛΛ,Γ,ΞΚ	Erevan, Inv. 19006/23 (20.2ø-11h), private purchase; (Mousheghian (1978), *Artaxata Hoard*-23)
»	»	c	3.68	ϛΛ,Γ,ΞΚ	Erevan, Inv. 19006/24 (19.9ø-11h), private purchase; (Mousheghian (1978), *Artaxata Hoard*-24); chipped, **Plate 84**
»	»	d	3.67	ϛΛ,Γ,ΞΚ	Erevan, Inv. 19006/25 (20.4ø-11h), private purchase; (Mousheghian (1978), *Artaxata Hoard*-25; CAA, pl. 4-67)
»	»	e	3.64	ϛΛ,Γ,ΞΚ	Erevan, Inv. 19006/26 (20.4ø-11h), private purchase; (Mousheghian (1978), *Artaxata Hoard*-26)
»	»	f	3.29	ϛΛ,Γ,ΞΚ	Erevan, Inv. 19006/27 (19.8ø-11h), private purchase; (Mousheghian (1978), *Artaxata Hoard*-27); chipped

Group 3: Between palm-branch and Tyche's head, ϛΛ ; to r. of palm-branch, Δ ; in exergue, ΞΚ

a22	p8	a	3.92	ϛΛ,Δ,ΞΚ	London, Inv. BMC 79, 1879-6-1-1 (19ø-12h); (CAA, pl. 4-68)
»	»	b	3.98	ϛΛ,Δ,ΞΚ	Spink 102 (2 March 1994, *Donabedian Coll.*), 154 (3.979g), **Plate 85**
»	»	c	3.68	ϛΛ,Δ,ΞΚ	St. Petersburg (CAA, pl. 4-68)
»	p9	a	3.56	ϛΛ,Δ,ΞΚ	Los Angeles, Y. Nercessian coll. (1981), Inv. 2163 (3.56g-18ø-12h); NFA 10 (17-18 Sept. 1981), 228 (3.56g); MM list 417 (Nov./Dec. 1979), 25 (3.5g); (Alram 191), **Plate 85, 85 (X)**
»	»	b	3.8	ϛΛ,Δ,ΞΚ	Karen Vardanyan coll. (19.5ø)
a23	p10	a	4.04	ϛΛ,Δ,ΞΚ	Los Angeles, V. B. coll. (1999), (4.04g-20ø-11h); V. A. coll. (1998); Nercessian 3 (2 June 1998, *Abgarians Coll.*), 5 (4.04g-20ø); (N-246), **Plate 85**

a23 p11 a 3.90 ϛΛ,Δ,– Erevan, Inv. 17728 (20.5ø-12h), discovered in Marneouli district of Georgia, near Chanakji village, private purchase, 1961, **Plate 85**

Group 4: Between palm-branch and Tyche's head, ϛΛ ; to r. of palm-branch, E ; in exergue, ΞK or none

a24 p12 a 4.14 ϛΛ,E,ΞK Bourgey (8 March 1999), 60 (4.14g); Bourgey (27-29 Oct. 1992, *N. K. Coll.*), 856 (12h); MM list 226 (Sept./Oct. 1962), 27; (CAA, p. 4-74; Boutin (1983), *N. K. Coll.*, 1116 (4.14g)), **Plate 85**

a25 p13 a 3.88 ϛΛ,E,ΞK Erevan, Inv. 14371 (20.6ø-12h), private purchase; (CAA, pl. 4-69), **Plate 86**

Group 5: Between palm-branch and Tyche's head, ϛΛ ; to r. of palm-branch, ϛ ; in exergue, ΞK

a25 p14 a 3.89 ϛΛ,ϛ,ΞK Erevan, Inv. 5373 (19.3ø-12h), discovered in Ani, **Plate 86**

a26 p15 a 3.43 ϛΛ,ϛ,– Erevan, Inv. 19006/18 (20.2ø-12h), private purchase; (Mousheghian (1978), *Artaxata Hoard*-18); chipped

Group 6: Between palm-branch and Tyche's head, ϛΛ ; to r. of palm-branch, Z ; in exergue, ΞK

a27 p16 a 4.13 ϛΛ,Z,ΞK New York, Inv. 1944.100.62298 (4.13g-21ø); Naville 10 (15-18 June 1925, *Petrowicz Coll.*), 1567 (4.13g-21ø); (CAA, pl. 4-70), **Plate 85, 85 (X)**

Group 7: Between palm-branch and Tyche's head, ϛΛ ; to r. of palm-branch, H ; in exergue, ΞK , ΞC, or none

a28	p17	a	3.97	ϛΛ,H,ΞK	Gorny 60 (5 Oct. 1992), 253 (3.97g); G. Hirsch 173 (19-22 Feb. 1992), 497 (3.92g); Lanz 56 (13 May 1991), 226 (3.95g-12h); Gorny 52 (6 Nov. 1990), 370 (3.97g); (N-82), **Plate 86**
a29	p18	a	4.06	ϛΛ,H,ΞC	Long Island, NY, H. A. coll. (2001), (4.06g-20ø-12h); CNG 58 (19 Sept. 2001), 746, (4.06g), **Plate 86, 86 (X)**
»	p19	a	4.17	ϛΛ,H,ΞC	Erevan, Inv. 17824/53 (19.5ø-12h), received from Barkhudarian, 1963; (Mousheghian (1973), *Sarnakounk Hoard*-126), **Plate 86**
»	p20	a	3.74	ϛΛ,H,ΞC	Erevan, Inv. 16386 (18.7ø-12h), Ex-Ter-Hovhannissian coll., **Plate 86**
»	p21	a	3.45	ϛΛ,H,ΞC	Erevan, Inv. 13636 (20.1ø-12h), private purchase; pierced and chipped
»	»	b	2.63	ϛΛ,H,ΞC	Karen Vardanyan coll., broken (18.1ø)
»	p22	a	3.82	ϛΛ,H,ΞC	Berlin, Löbbecke (1906), Inv. 6698, (20ø-12h)
»	»	b	4.10	ϛΛ,H,ΞC	Glasgow (20ø); (*Hunterian Coll.* (1901), pl. 63-3)
»	»	c	4.15	ϛΛ,H,ΞC	CNG 27 (29 Sept. 1993), 11 (4.15g); Sotheby and Co. (22 April 1970), 249 (4.13g-19ø-11h); Cahn 71 (14 Oct. 1931), 560; Naville 10 (15-18 June 1925, *Petrowicz Coll.*), 1568 (4.17g-20ø); (N-83), **Plate 86**
»	»	d	4.10	ϛΛ,H,ΞC	CNG 36 (5-6 Dec. 1995, *Araratian Coll.*), 567; (N-248), **Plate 86**
»	p23	a	3.75	ϛΛ,H,ΞC	Nercessian *Bulletin* list 12-E (1986), 366 (22ø), **Plate 86**

a29	p24	a	3.43	ϛΛ,H,–	Erevan, Inv. 19006/10 (19.9ø-12h), private purchase; (Mousheghian (1978), *Artaxata Hoard*-10)

Group 8: Between palm-branch and Tyche's head, ϛΛ ; to r. of palm-branch, Θ ; in exergue, ΞC

a30	p25	a	4.32	ϛΛ,Θ,ΞC	New York, Inv. 1944.100.62302 (4.32g-20ø-12h); Naville 10 (15-18 June 1925, *Petrowicz Coll.*), 1569 (4.24g-20ø); Ex-Atrpet coll.; (CAA, pl. 4-78)
»	»	b	4.16	ϛΛ,Θ,ΞC	Chicago, S. K. coll. (Dec. 2000); Nercessian *Bulletin* list 20 (2001), 3 (4.16g-19ø-12h); Los Angeles, Y. Nercessian coll. (2000), Inv. 5608 (4.16g-19ø-12h); Ex-Pegasi, **Plate 87**
»	»	c	4.08	ϛΛ,Θ,ΞC	Los Angeles, V. B. coll. (2001), (4.08g-20ø-1h); Markov 10 (23-24 Oct. 2001), 149; Gorny, 108 (3 April 2001), 1372
»	p26	a	4.07	ϛΛ,Θ,ΞC	Los Angeles, Y. Nercessian coll. (1982), Inv. 2335 (4.07g-19ø-11h); Ariadne (7 Dec. 1982), 154; (ACV 40), **Plate 87**
»	p27	a		ϛΛ,Θ,ΞC	Berk 56 (17 Jan. 1988), 175

Group 9: Between palm-branch and Tyche's head, ϛΛ ; to r. of palm-branch, I ; in exergue, ΞC

a31	p28	a	4.13	ϛΛ,I,ΞC	Ex-Guevrekian coll. (1991), (20ø-12h); (N-84), **Plate 87**
»	»	b	3.80	ϛΛ,I,ΞC	Spink 102 (2 March 1994, *Donabedian Coll.*), 156 (3.796g), **Plate 87**
»	»	c	3.81	ϛΛ,I,ΞC	Ex-Bedoukian coll. (1978); (CAA, pl. 4-76)
»	p29	a	4.00	ϛΛ,I,ΞC	Erevan, Inv. 17431/1 (19ø-12h), private purchase; (MMD pl. 21-5, *Tovuz Hoard*), **Plate 87**

a31	p30 a		ϛΛ,I,ΞC	Etchmiadzin, Holy Etchmiadzin coll.; (Mousheghian "Mother See," 160),[84] **Plate 87**
»	p31 a	3.86	ϛΛ,I,ΞC	Los Angeles, Y. Nercessian coll. (2002), Inv. 5645 (3.86g-19ø-12h); The New York Sale IV (17 Jan. 2002), 246 (3.86g), **Plate 87, 87 (X)**

Group 10: Between palm-branch and Tyche's head, ϛΛ ; to r. of palm-branch, K ; in exergue, ΞC

a32	p32 a	4.00	ϛΛ,K,ΞC	New York, Inv, 1944.100.62300; (CAA, pl. 4-77), **Plate 87**
»	p33 a	3.85	ϛΛ,K,ΞC	Erevan, Inv. 17985 (20.5ø-12h); found in Baku, private purchase, 1961, **Plate 87**
»	p34 a	3.8	ϛΛ,K,ΞC	Grunthal (25 March 1947), 9

Group 11: Between palm-branch and Tyche's head, ϛΛ ; to r. of palm-branch, Λ ; in exergue, ΞK or ΞC

a33	p35 a	4.01	ϛΛ,Λ,ΞK	NFA 8 (6 June 1980), 347, **Plate 88**
»	p36 a	4.05	ϛΛ,Λ,ΞC	Erevan, Inv. 17431/3 (19ø-1h), received from Gurjian, 1957; (MMD pl. 21-4) *Tovuz Hoard* (Tavush district) found in 1955, **Plate 88**
»	» b	3.76	ϛΛ,Λ,ΞC	Los Angeles, Y. Nercessian coll. (1991), Inv. 4122 (19ø-12h); (N-85), **Plate 88**
»	p37 a	3.80	–,Λ,ΞC	Erevan, Inv. 17619/8 (19.5ø-12h), gift by Kalaijian, 1960; (CAA, pl. 4-85), **Plate 88**

[84] Kh. A. Mousheghian, "The Numismatic Collection of the Mother See," *Etchmiadzin*, Vol. XXXIII (June-July 1976), Nos. 6, 7, pp. 45-55, 37-44 (in Armenian); also in *Treasures of Etchmiadzin* (Etchmiadzin, 1984), [p. 200].

Group 12: Between palm-branch and Tyche's head, ϛΛ ; to r. of palm-branch, uncertain; in exergue, ΞC

a34	p38	a	4.00	ϛΛ,–,ΞC	Sotheby Parke Bernet and Co. (3 Oct. 1986), 562

ZΛ (=111-37=74 B.C.?)

Group 1: Between palm-branch and Tyche's head, ZΛ ; in exergue, ΞK or ΞC

a35	p1	a	4.01	ZΛ,A,ΞK	Erevan, Inv. 17373 (19.3ø-1h), discoverd in Upper Artaxata village, 1955, gift by K. Vardanyan; (MMD pl. 21-6, *Tovuz Hoard*), **Plate 88**
a36	p2	a	4.12	ZΛ,–,ΞK	New York, Inv. 1944.100.62301; Naville 10 (15-18 June 1925, *Petrowicz Coll.*), 1571 (4.13g-21ø); Ex-Atrpet coll.; (CAA, pl. 4-84), **Plate 88, 88 (X)**
»	»	b	4.02	ZΛ,–,ΞK	Naville 10 (15-18 June 1925, *Petrowicz Coll.*), 1570 (20ø); Ex-Atrpet coll.
»	»	c	3.69	ZΛ,–,ΞK	Moscow (20ø); (Akopyan (1979), 4)
»	»	d	3.79	ZΛ,–,ΞK	Erevan, Inv. 16384 (19.8ø-1h), Ex-Ter-Hovhannissian coll., **Plate 88**
a37	»	e	3.83	ZΛ,–,ΞK	Berlin, Imhoof-Blumer (1900), (19ø-12h)
»	»	f	3.74	ZΛ,–,ΞK	Vienna, Inv. 37550 (19ø-1h)
»	»	g	3.76	ZΛ,–,ΞK	Los Angeles, V. B. coll. (2002), (3.76g-19ø-1h); CNG 61 (25 Sept. 2002, *Panossian Coll.*), 887 (3.76g), **Plate 88**
»	p3	a	4.02	ZΛ,–,ΞC	Los Angeles, V. B. coll. (2002), (4.02g-19ø-12h); CNG Triton V (January 15-16 2002), 1552 (4.02g); Leu and NFA (16-18 Oct. 1984), 285 (4.02g); Naville 10 (15-18 June 1925, *Petrowicz Coll.*), 1572 (4.02g-21ø); Ex-Atrpet coll., **Plate 88**

a37	p3	b	4.13	ZΛ,–,ΞC	Erevan, Inv. 15119 (19.5ø-1h); (Mousheghian (1973), *Sarnakounk Hoard*-127), **Plate 89, 89 (X)**
»	»	c	4.00	ZΛ,–,ΞC	Washington, DC, G. M. coll. (1994), Inv. 20 (4.00g-19ø-12h); Nercessian *Bulletin* list 17 (1 Nov. 1994), 7 (4.00g-19ø); Lanz 64 (7 June 1993), 304 (4.00g-12h); NFA 23 (14 Dec. 1989), 706 (4.02); Demirjian list 5 (1976), 22; (N-86)
»	»	d	3.4	ZΛ,–,ΞC	Watertown, MA, Armenian Library and Museum of America coll., Inv. 86.9.1 (1h), gift by Bedoukian, 1986; P. Z. Bedoukian coll.; chipped
»	»	e	3.89	ZΛ,–,ΞC	Ex-Bedoukian coll. (1978); (CAA, pl. 4-80)
»	p4	a	3.97	ZΛ,–,ΞC	Paris, Inv. 24a, purchased in 1895 (21ø-12h), **Plate 89**
»	»	b	4.11	ZΛ,–,ΞC	CNG 36 (5-6 Dec. 1995, *Araratian Coll.*), 568; (N-249)
	»	c	4.03	ZΛ,–,ΞC	St. Petersburg (CAA, pl. 4-83)
»	p5	a	4.07	ZΛ,–,–	Karen Vardanyan coll. (18ø)

HΛ (=111-38=73 B.C.?)

Group 1: Between palm-branch and Tyche's head, HΛ ; to r. of palm-branch, A ; in exergue, ΞC

a38	p1	a	3.08	HΛ,A,ΞC	Karen Vardanyan coll. (19ø)

Group 2: Between palm-branch and Tyche's head, HΛ ; to r. of palm-branch, Δ ; in exergue, ΞK or none

a39	p2	a	3.91	HΛ,Δ,ΞK	NFA 6 (27-28 Feb. 1979), 387, **Plate 89**
a40	p3	a		HΛ,Δ,–	Venice Mekhitarist coll.;[85] (CAA, pl. 4-81), **Plate 89**

[85] Obverse overstruck, unidentifiable object in l. field.

ΘΛ (=111-39=72 B.C.?)

Group 1: Between palm-branch and Tyche's head, ΘΛ ; to r. of palm-branch, ?; in exergue, ΞK

a41 p1 a 3.80 ΘΛ,–,ΞK Erevan, Inv. 17426 (19.6ø-1h), found in Takja village, 1956, Akhalkalak district. According to R. Vardanyan,[86] this is a single find, private purchase, 1957, **Plate 89**

Ξ

Group 1: In l. field, A ; between palm-branch and Tyche's head, Ξ ; to r. of palm-branch, A

a42 p1 a 3.84 A/Ξ,A– Karen Vardanyan coll.[87] (19.4ø), **Plate 89**

Fractional Drachms—Uncertain Mint

Obv.: Bust of Tigranes draped r. as before.

Rev.: Tyche of Artaxata draped and seated r. on rock holding palm-branch. River-god Orontes swimming r. Legend to r. downward [ΒΑΣΙΛΕΩΣ] entirely off flan; to l. downward, ΒΑΣΙΛΕΩΝ / ΤΙΓΡΑΝΟΥ.

Fractional Drachm

Group 1: No visible letters

a43 p1 a 2.95 --- Vienna Mekhitarist coll.; (CAA, pl. 4-89), **Plate 89**

Fractional Drachm

Obv.: Bust of Tigranes draped r. as before.

Rev.: Large elephant r. with trunk down. Legend above to r. ΒΑΣΙΛΕΩΣ. King's name off the flan.

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[86] Ruben Vardanyan in a letter addressed to Y. T. Nercessian, dated 23 November 2004; published in ANJ, Series II, Vol. 1 (2005), pp. 51-52.

[87] According to Karen Vardanyan, this drachm had a thick patina and after cleaning the coin it was discovered that the metal is silver. The field letters of this drachm do not fit the pattern of Phoenician principle of dating (111-60=51 B.C.), a date several years after Tigranes' death. Authenticity questionable? The locations of all field letters remind Antioch tetradrachms of Tigranes II.

Group 1: No visible letters

a44 p1 a 3.10 --- Vienna Mekhitarist coll.; (CAA, pl. 4-88), **Plate 89**

Fractional Drachm

Obv.: Bust of Tigranes draped r. as before.

Rev.: As a42-p1a

Group 1: No visible letters

a45 p1 a 3.51 --- Vienna Mekhitarist coll.; (CAA, pl. 4-90), **Plate 89**

Fractional Drachm

Obv.: Large head of Tigranes draped r. with a star and two eagles.

Rev.: King driving quadriga with galloping horses to l. He is holding reins with r. hand. Legend above to r. possibly [BA]CIΛ[EΩC]; below to r. [BA]CIΛEΩN / [TI]ΓPANOY.[88]

Group 1: No visible letters

a46 p1 a 2.10 --- Beirut, A. A. coll.; (14ø-12h), Nercessian, **Plate 89**

COUNTERFEITS

Tetradrachms

Group 1: Becker Forgery.[89] On rock, monogram ; in r. field, to r. of palm-branch, ⊖

c/f A1-P1 a (Hill[90] (1979), pl. 8-121; ACV c/f 5; CD1-R1a)

» » b (CAA, pl. 2-19; C D1-R1b)

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[88] Y. T. Nercessian, "Some Unpublished Coins of Tigranes the Great of Armenia," No. 3.

[89] This writer is aware of a collector who has four counterfeit tetradrachms. One of these is similar to A7-P1 and three are similar to A1-P1.

[90] G. F. Hill, *Becker the Counterfeiter* (London, 1924; reprint, Chicago, 1979), part I, p. 71. No. 121, plate VIII.

c/f A1-P1	c	13.85	Vienna, Mekhitarist Congregation Museum forgeries coll. (CAA, pl. 3-34; C D1-R1b)
» »	d	14.50	Vienna, Mekhitarist Congregation Museum forgeries coll. (CAA, pl. 3-34; C D1-R1b)
» »	e		*Copenhague* (Copenhagen, 1940, p, 79; C D1-R1c)
» »	f	15.20	Naville 10 (15-18 June 1925, *Petrowicz Coll.*), 1564 (26ø); (C D1-R1d)
» »	g	13.05	J. Schulman (Amsterdam) (6-8 June 1967), 1326; (C D1-R1e)
» »	h	10.91	Gorny 30 (19-20 Nov. 1984), 3079; (C D1-R1f)
» »	i		G. Hirsch 163 (27-30 Sept. 1989), 508
» »	j	14.59	Vienna (9h); (MD pl. 6-101)
» »	k		Demirjian list 4 (1975), 83
» »	l	12.5	Watertown, MA, Armenian Library and Museum of America forgeries coll., Inv. 86.9.3 (5h), gift by Bedoukian forgeries coll., 1986.
» »	m	16.9	Watertown, MA, Armenian Library and Museum of America forgeries coll., Inv. 99.499 (5h), gift by Bedoukian, 1999; P. Z. Bedoukian forgeries coll.
» »	n	12.66	Los Angeles, CA, V. B. forgeries coll. (2000), (26ø-5h), **Plate 90**
» »	p	14.33	Chicago, S. K. forgeries coll., Inv. 11 (25.5ø-6h)
» »	q	14.1	Karen Vardanyan forgeries coll. (26.3ø)

Group 2: Monogram on rock, ; in r. field, to r. of palm-branch, monogram or monogram
Both examples catalogued below are brass in color and have fairly straight edges.

c/f A2-P1	a	15.76	Karen Vardanyan forgeries coll. (25.2ø), (a copy of coin A33-P27d, Antioch, Group 3)
c/f A3-P2	a	12.30	Oxford, forgery, gift by G. T. Chester, 18.6.1889 (26ø-12h); (a poor cast, obv. similar to coin A2-P40a, Antioch, Group 1, rev. monogram in r. field is similar to A43-P142a,

Group 4, the monogram on rock is illegible, brass color; C D2-R1a), **Plate 90**

c/f A4-P3 a 14.52 Oxford, forgery (27ø-12h); (a cast copy of McLean tetradrachm, plate 343-10, A45-P147a, Antioch, Group 4, brass color; C D3-R1a), **Plate 90**

Group 3: "Bagdad" Forgery: On rock, Σ ; Tyche holding the head of river god Orontes

c/f A5-P1 a 14.8 Venice, Mekhitarist Congregation Museum forgeries coll.; (Haji Toros; CAA, pl. 2-16; ACV c/f 7; C D4-R1a)

» » b 14.74 London; (Kinns[91] (1985), pl. 27-30c; C D4-R1b), **Plate 90**

» » c 14.8 Müller 62 (19-20 May 1989), 120; (C D4-R1c)

» » d Rogalski (1972), p. 21, Fig. 2; (C D4-R1a)

Group 4: "Bagdad" Forgery: On rock, Σ ; in r. field, to r. of palm-branch, ⅄

c/f A5-P2 a 15.62 Ex-Bedoukian coll. (CAA, pl. 2-27; C D4-R1a)

» » b 15.10 Bourgey (27-29 Oct. 1992, *N. K. Coll.*), 849 (12h); Page (19-22 June 1933), 396; Ciani (17-21 Feb. 1925), 963 (15.03 g.-29ø); (Boutin (1983), *N. K. Coll.*, 1109; C D4-R1b)

» » c 15.47 Brussels (29ø-12h); (C D4-R1c)

» » d 25.16 Brussels (32ø-12h); (C D4-R1d)

» » e 16.25 Baldwin's Forgeries coll.; (Kinns, pl. 27-29e; C D4-R1e)

» » f 16.79 Los Angeles, CA, V. B. forgeries coll. (1999), (16.79g-27ø-11h); V. A. coll. (1998); Nercessian 3 (2 June 1998, *Abgarians Coll.*), 4 (16.79g-27ø); (ACV c/f 6), **Plate 90**

» » g 14.02 *SNG Milan* 450, Inv. M.0.9.20179, Commune Inv. 1179 (30ø-12h)

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[91] P. Kinns, "Myrina and Related Forgeries," ANS *Museum Notes*, Vol. XXX (1985), pp. 61-63, No. 29, plate 27.

c/f A5-P2	h	16.49	Rauch 46 (6-8 May 1991), 295
c/f A6-P2	i	15.33	Damascus, National Museum of Syria, **Plate 91**

Group 5: "ΒΑΣΙΛΕΟ" inscription; below the hand, ↑

c/f A7-P1	a	15.58	Bourgey (27-29 Oct. 1992, *N. K. Coll.*), 853 (12h); (Boutin (1983), *N. K. Coll.*, 1113 (15.58g); C D5-R1a,b), **Plate 91**
» »	b	15.56	CAA, pl. 3-42; (C D5-R1b)
» »	c		Ahlström 29 (8-9 April 1984), 2126; (C D5-R1c)
» »	d	15.1	Gorny 126 (13-14 Oct. 2003), 3080; G. Hirsch 157 (24-26 Feb. 1988), 189; (C D5-R1d)
» »	e	15.91	Chicago, S. K. forgeries coll., Inv. 30 (30.7ø-1h)

Group 6: In l. field, Δ and M ; to r. of palm-branch, H

c/f A8-P1	a	12.94	Oxford (30ø-1h, electrotype of BM); (1930 electrotype, with letters RR puncherd on its edge; C D6-R1a)
» »	b	18.20	Classical Cash list 8 (Aug. 1997), 690 (30ø); (1930 electrotype, with letters RR puncherd on its edge)
» »	c	12.67	Los Angeles, Y. Nercessian forgeries coll., Inv. 1691 (27ø-12h); (ACV c/f 4; C D7-R2a), **Plate 91**
» »	d	17.05	Los Angeles, V. B. forgeries coll. (2000), (29ø-12h); Ex-Guevrekian, **Plate 91**
c/f A9-P2	a	14.70	New York City, D. H. forgeries coll. (25ø-9h),[92] **Plate 91**

Drachms

Group 1: Between palm-branch and Tyche's head, ΕΛ; exergue letters, ΞC

c/f a1-p1	a	4.04	Karen Vardanyan forgeries coll. (20.2ø), (similar to coin a3-p4a), **Plate 91**

[92] This writer received a partial electronic image transmission from a collector, possibly belonging to c/f A9-P2a dies.

Group 2: Between palm-branch and Tyche's head, ϛΛ ; to r. of palm-branch, Δ; exergue letters, ΞK

c/f a2-p2 a 4.27 Philadelphia, PA, M. P. forgeries coll. (1998), (4.27g-18.2ø-6h); CNG 46 (24 June 1998, *Araratian Coll.*-2), 672 (4.27g); (N-247; Saryan[93] (1998) c/f)

» » b 4.28 Los Angeles, CA, V. B. forgeries coll. (1999), (18ø-6h); Ex-Demirjian, **Plate 91**

Group 3: Between palm-branch and Tyche's head, ZΛ

c/f a3-p1 a 3.52 Karen Vardanyan forgeries coll. (18.3ø), (a copy of drachm a37-p5a), **Plate 91**

Group 4: Between palm-branch and Tyche's head, o and ⊤ ; above swimmer's head, A

c/f a4-p1 a 9.42 Karen Vardanyan forgeries coll. (19.3ø) (gold color),[94] **Plate 91**

Hemidrachms

Group 1: Between palm-branch and Tyche's head, EΛ ; exergue letters, ΞC

c/f a5-p1 a 1.53 Denver, CO, J. C. forgeries coll. (2005), Inv. JC805 (17ø-1h), (silver? plated over yellowish metal), **Plate 91**

Group 1: Cornucopia with the upper half to the l., in center A , in exergue ΔH

c/f a6-p1 a 2.06 Los Angeles, CA, V. B. forgeries coll. (2001), (2.06g-13ø-1h); (Nercessian[95] 1); Ex-Guevrekian. A copper coin, manufactured with the

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[93] L. A. Saryan and M. Panossian, "A Drachm Forgery of Tigranes the Great," ANJ, Ser. I, Vol. XXIV (December 1998), No. 4, pp. 49-50, illus.

[94] This coin does not fit the design pattern of Artaxata drachms. In addition to its gold color, the reverse field letters remind Antioch tetradrachms of Tigranes II. Very poor imitation.

[95] Y. T. Nercessian, "A Counterfiet Hemidrachm of Tigranes II," ANJ, Ser. I, Vol. XXIX (September 2003), No. 3, pp. 79-80, pl. 5, c/f AR.

same dies exist in V. B. coll. (1.63g-13ø-2h). Compare both counterfeits,[96] **Plate 91**

CATALOGUE OF ARTAVASDES II SILVER COINS (56-34 B.C)

Tetradrachms

Obv.: Bust of Artavasdes r., wearing earrings and five-pointed Armenian tiara adorned with a square eight-rayed star flanked by floral designs. A broad diadem knotted at the back and flowing downward encircles the head. A single drape covers the neck. Bead-and-reel border.

Rev.: Crowned charioteer driving a quadriga l., and holding the reins with the l. hand. Legend above to r. ΒΑΣΙΛΕΩΣ / ΒΑΣΙΛΕΩΝ; below to r. ΑΡΤΑΥΑΣΔΕΩ / ΘΕΙΟΥ. In l. field monogram ⋕ and letters IZ (indicating the year ?), all within laurel wreath.

Group 1: In l. field, monogram ⋕ and letters IZ (17?).

A1 P1 a 16.11 Boston, Inv. 1989.192 (1989, purchased with the Theodora Wilbour Fund[97] in Memory of Zoë Wilbour) (16.11g-33ø-1h); NFA 22 (1 June 1989), 337 (16.16g-1:30h);[98] Leu 30 (28 April

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[96] The book was completed and ready to go to press. They informed us about two unpublished counterfeits. 1) San Bernardino, CA, A. N. coll. (9.88g-25.5ø-12h), similar to Antioch tetradrachms Group 1, A7-P86a. 2) Liverpool National Museums (22.58g-30ø-11h), possibly similar to Antioch tetradrachms Group 7, A57-P58a.

[97] J. J. Herrmann, Jr., *The Gods Delight: The Human Figure in Classical Bronze* (Cleveland, Ohio and Cleveland Museum of Art in cooperation with Indiana University Press; Bloomington, Indiana, circa 1989), p. 288, fig. 51b and C. C. Vermeule, *The Museum Year: 1988-89: The One Hundred Thirteenth Annual Report of the Museum of Fine Arts,* Boston (Boston, 1989), pp. 24 (illus.), 42.

[98] Obverse overstruck, unidentified object in r. field, see NFA 22, No. 337, 5:1 enlargement.

1982), 201 (16.16g-1:30h); (Bedoukian, REA 11; Alram,[99] 208; ACV, pl. 45-4a), **Plate 92**

A2 P2 a 16.40 CNG, *Triton* II [48] (1-2 Dec. 1998), 547; CNG 36 (5-6 Dec. 1995, *Araratian Coll.*), 607 (16.40g); Sotheby's (4 December 1990, *Hunt Collection, Part* III), 64 (16.42g-29ø-12h); (ACV, pl. 45-4b; MD, pl. 7-113/A), **Plate 92, 92 (X)**

Group 2: In l. field, monogram ⋕ and letters IH (18?).

A3 P3 a 14.85 Erevan, Inv. 17579 (14.85g-28ø-12h); (Mousheghian (1964), *P'arak'ar Tetradrachm;* CAA, 129; ACV 123), **Plate 92**

Drachms

Obv.: Bust of Artavasdes r. wearing five-pointed Armenian tiara adorned with an eight-rayed star and two eagles which are back to back with their heads turned and looking at each other. A diadem encircles the head and is knotted at the back, the ends falling down along the neck. A diagonal band ends under the drape which covers the neck. The king's neck is covered with three necklaces. Border of dots.

Rev.: Crowned charioteer driving a quadriga l. as before, but the king holds in r. hand statue of Victory which is walking r. Legend above to r. ΒΑΣΙΛΕΩΣ; below to r. ΒΑΣΙΛΕΩΝ / ΑΡΤΑΥΑΣΔΟΥ. In l. field monogram ⋕ and above horses, letter ς (indicating the year ?).

Group 1: In l. field, monogram ⋕ and letter ς (6?).

a1 p1 a 4.02 Erevan, Inv. 16022 (4.02g-20ø-12h); (Mousheghian, (CHA) *Sarnakounk Hoard*-129, CAA 130), **Plates 92 (X), 93**

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[99] M. Alram, *Nomina Propria Iranica Nummis. Materialgrundlagen Personennamen auf antiken Münzen* (Vienna, 1986).

a1	p2	a	4.05	Erevan, Inv. 17824/54 (4.05g-17ø-12h); (Mousheghian, (CHA) *Sarnakounk Hoard*-130, CAA 130), **Plate 93**
»	p3	a	3.85	CNG 51 (15 Sept. 1999, *Araratian Coll.* III), 761 (3.85g); Leu-NFA (16-18 Oct. 1984, *Garrett Coll.*), 286; Naville 10 (15-18 June 1925, *Petrowicz Coll.*), 1573 (3.85g-20ø; Egger (28 Nov. 1904, *Prowe Coll.*), 1521 (3.76g); (MD[100] pl. 7-113/A), **Plate 93**
»	p4	a	3.82	Lanz 44 (16 May 1988), 254 (3.82g-12h), **Plate 93**
»	p5	a	3.86	Los Angeles, Y. Nercessian coll. (1978), Inv. 1405 (3.86g-20ø-12h); NFA 5 (23 Feb. 1978), 213 (3.86g), **Plate 93, 93 (X)**
a2	p6	a	3.77	Bourgey (27-29 Oct. 1992, *N. K. Coll.*), 858 (3.77g); Ars Classica X, 1573; (CAA, 130, 3.8g; Boutin,[101] 1129, (3.77g-6h); MD, pl. 7-113/A), **Plate 93**
»	p7	a	3.79	Ex-Bedoukian coll. (3.792g-17ø-12h); K. Baghdadlian coll.; Nishan Kalebjian coll.; (ANS MN, XIV-23, 3.80g; CAA, 130), **Plate 93**
a3	p8	a	3.70	Vienna Mekhitarist Congregation coll. (CAA, 130, 3.79g); J. Hirsch 25 (29 Nov. 1909), 3119 (3.73g-17ø); (CAA, 130, 3.70g; Alram, 209), **Plate 93**
			3.69	St. Petersburg, Inv. 19417 (CAA, p. 69, No. 130, 3.69g; Mousheghian, Tetradrachm[102] and Numismatics[103])

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[100] A. Mousheghian, G. Depeyrot, *Hellenistic and Roman Armenian Coinage (1st C. B.C.- 1st C. A.D.)* (Wetteren, The Netherlands, 1999), 256 pp., 8 pls. (bilingual in English and Armenian);

[101] S. Boutin, *Collection N. K.: Monnaies des Empires de Byzance,... Monnaies de l'Arménie Artaxiate et de l'Arménie Cilicienne* (Maastricht, Netherlands, 1983).

[102] Kh. A. Mousheghian, "The Tetradrachm of Artavasdes II," pp. 320 and 321, footnotes 17 and 24, respectively; trnsl. by L. A. Saryan, p. 110.

[103] Kh. A. Mousheghian, *The Numismatics in the History of Armenia* (Erevan, 1983), pp. 56 and 295, end note 180 (in Armenian and Russian).

			3.46	Berlin (CAA, p. 69, No. 130, 3.46g)
			3.96	Berlin (CAA, p. 69, No. 130, 3.96g)
			3.59	Berlin (CAA, p. 69, No. 130, 3.59g)

Group 2: In l. field, monogram ⋕ and letter Z (7?).

a4	p9	a	3.64	London, BMC Armenia (3.636g-17ø); gift by Woodhouse in 1866; (Gardner, NC, 1872, pl. I-1; CAA, 131; BMC, Galatia,[104] pl. XIV-2; MD pl. 7-113/A), **Plate 94**
a5	p10	a	3.78	CNG 36 (5-6 Dec. 1995, *Araratian Coll.*), 608 (fourrée drachm), (3.78g-20ø), **Plate 94**

Group 3: In l. field, monogram ⋕ and letters IZ?.

a6	p11	a	2.92	San Bernardino, A. N. coll. (Sept. 2005); Los Angeles, S. K. coll. (Sept. 2005), (19ø-2h); Ex-Kovacs (fourrée drachm),[105] **Plate 94**

COUNTERFEITS

Tetradrachms

Group 1: In l. field, monogram ⋕ and letter ς (6?)

c/f	A1-P1	a	25.61	Long Beach, P. H. forgeries coll. (1975), (40ø-12h), **Plate 94**

Drachms

Group 1:

c/f	a1-p1	a	3.85	Erevan, Inv. 8924 (3.85g-18.5ø-1h), transferred from the City of Etchmiadzin Civic Museum; (Mousheghian (1964), *P'arak'ar*

[104] Warwick Wroth, *Catalogue of the Greek Coins of Galatia, Cappadocia, and Syria.* (Reprint, Bologna, 1963), pl. XIV-2.

[105] The obverse and reverse of this fourrée drachm reflects the design of Artavasdes II tetradrachm and drachm. The tiara is adorned with a square eight-rayed star flanked by floral design. On the reverse, the location of monogram and field letters imitates tetradrachms, whereas the legend is similar to drachms.

			Tetradrachm, 2nd plate, drachm No. 4, **Plate 94**
c/f a2-p2	a	6.23	Erevan, Inv. 8923 (6.23g-21.1ø-12h), transferred from the City of Etchmiadzin Civic Museum
» »	b	6.27	Erevan, Inv. 13931 (6.27g-20ø-12h), purchased from A. Nayinian, 1937
» »	c	4.38	Erevan, Inv. 8924/1 (4.38g-19.3ø-1:30h), transferred from the City of Etchmiadzin Civic Museum, **Plate 94**
» »	d	5.98	Erevan, Inv. 8925 (5.98g-21.2ø-12h), transferred from the City of Etchmiadzin Civic Museum
c/f a3-p3	a	3.80	Erevan, Inv. 17581 (3.80g-18.4ø-10h), gift by A. Egbashian, 1959, **Plate 94**

CATALOGUE OF ARTAXIAS II SILVER COINS (34-20 B.C.)

Drachms

Obv.: Bust of Artaxias r., lightly bearded and wearing a very high tiara. The five-pointed tiara is adorned with an eight-rayed star which is in a trapezoidal box. The box has double rows of pearls along the top and both sides. A diadem knotted at the back encircles the head and falls downward. The king is wearing an earring which resembles a six-rayed star. The whole is enclosed within a laurel wreath.

Rev.: Helmeted Athena l., carrying a shield and spear. Circular legend, ΒΑΞΙΛΕΩΣ ΑΡΤΑΞΕΡΞΕΩ ΘΕΙΟΥ. Letters ΙΔ in r. field. Below Athena's feet monogram . The whole enclosed within a solid circle.

Group 1: Helmeted Athena carrying shield and spear; below, monogram [illegible] and in r. field letters IΔ (14?)

a1	p1	a 2.6	Paris, Ronde coll. (2.6g-20.8ø-1h); (Ronde and Torossian, Nercessian 1), **Plate 95**
a2	p2	a 3.20	CNG 46 (24 June 1998, *Araratian Coll.*-2), 693 (3.20g-23ø), **Plate 95**
»	p3	a 3.59	CNG 51 (September 1999), 768 (3.59g-22ø-12h); (Saryan, Nercessian 2), **Plate 95**

Group 2: Nike advancing r., holding wreath and palm-branch; below, monogram [illegible] and in r. field letters IΔ (14?)

a2	p4	a 4.06	Los Angeles, V. B. coll. (22 Nov. 2002); Los Angeles, H. I. coll. (June 2001); Freeman and Sear List 6 (Summer 2001), F70 (4.06g-24ø-12h), **Plates 94 (X), 95**

CATALOGUE OF TIGRANES III SILVER COINS (20-8 B.C.)

Drachms

Obv.: Head of Tigranes r., slightly bearded and wearing a tall and five-pointed tiara adorned with a large eight-pointed star. Fillet border.

Rev.: King's figure standing l., draped in mantle and wearing a three-pointed tiara. With his outstretched r. hand he holds an uncertain two-lined straight object pointed toward 10 o'clock and l. hand rests on a tall scepter or spear. To the l. of spear and close to king's body there is an uncertain object. Legend to r. downward ΒΑΣΙΛΕΩΣ / ΜΕΓΑΛΟΥ; to l. downward ΤΙΓΡΑΝΟΥ / ΦΙΛΟΠΑΤΟΡΟΣ / ΚΑΙ ΦΙΛΕΛΛΗΝΟΣ.

Group 1: King's figure standing l. and holds a spear; vertical inscription in five lines

a1	p1	a	3.83	New York, Inv. 1944.100.62304 (3.83g-19ø-12h); (Newell, p. 13, pl. II-10; CAA, p. 70, pl. 6-137; ACV, p. 78, pl. 10-134); gift by Newell who purchased it from the collection of Charles C. Torrey. Possibly chipped and pierced in two different locations, **Plate 95, 95 (X)**

Hemidrachm

Obv.: Head of Tigranes r. as before.

Rev.: Nike advancing l. Legend to r. downward [ΒΑΣΙΛΕΩΣ / ΜΕΓΑΛΟΥ] (?); to l. downward [Τ]ΙΓΡΑΝΟΥ.

Group 2: Nike advancing l.

a1	p1	a	0.93	Los Angeles, Y. Nercessian coll. (March 1994), Inv. 4634 (0.93g-13ø-12h), chipped; (ACV, p. 78, pl. 10-135); Spink 102 (2 March 1994, *Donabedian Coll.*), 216, **Plate 95**
»	»	b	1.17	Los Angeles, Y. Nercessian coll. (March 1994), Inv. 4635 (1.17g-14ø-12h), chipped and broken in two pieces; Spink 102 (2 March 1994, *Donabedian Coll.*), 216, **Plate 95**

CATALOGUE OF ARTAVASDES IV SILVER COINS (A.D. 4-6)

Drachms

Obv.: Head of Artavasdes r., without a tiara. A diadem knotted at the back encircles the head and falls downward. Clockwise legend ΒΑΣΙΛΕΩΣ ΜΕΓΑΛΟΥ ΑΡΤΑΥΑΖΔΟΥ. In r. field, below his chin, letter Γ. Border of dots.

Rev.: Head of Augustus r. laureate. Clockwise legend, ΘΕΟΥ ΚΑ[ΙΣΑΡΟΣ] ΕΥΕΡΓΕΤΟΥ. Border of dots.

Group 1: Artavasdes/Augustus

a1	p1	a	3.53	London, gift by Woodhouse in 1866; (Gardner, NC 1872, pl. I-7; BMC Galatia, p. 101, pl. XIV-3; CAA, pl. 8-163; Sarkissian 1), **Plate 96**
»	»	b	3.50	New York, D. J. McClymont coll. (20ø); (Sarkissian 4, CAA 163), **Plate 96**
»	»	c	5.1	New York, Ex-Guevrekian coll. (20ø); (ACV, p. 86, pl. 13-180), **Plate 96, 96 (X)**
a2	p2	a	3.58	Erevan Inv. 38885 (3.58g-19.5ø-12h), Ex-Sanoyan coll. purchased in 1978; (Sarkissian 2, 3.70g-20ø; CAA 163, 3.70g; Kh. Moushegheian pp. 65-66, 3.58g-20ø-12h), **Plate 96**
a3	p3	a	3.54	Ex-Bedoukian coll.; (Sarkissian 3; CAA 163); (3.54g-20ø), **Plate 96**

ARTAXIAS III SILVER COINS

Silver Didrachm, Plate 96-J

Obv.: Head of Germanicus r. Counterclockwise legend GERMANICVS CAESAR TI. AVG. F. COS. II. Border of dots.

Rev.: To l. Artaxias standing facing and holding tiara on his head with r. hand. To r. Germanicus standing facing and crowning Artaxias with r. hand. Left hand entwined around a long spear. Legend to l. downward ARTAXIAS; to r. downward GERMANICVS. Border of dots.

AR, 7.50 g. (BM coll.), CAA 168, RPC 3629

Silver Drachm, Plate 96-K

Obv.: Head of Germanicus r. as before.

Rev.: Crowning of Artaxias as before.

AR, 3.14 g. (BN coll.), CAA 168, RPC 3630

ANALYSIS

TIGRANES II THE GREAT (95-56 B.C.)

Portrait Art

The ancient coins of Tigranes are very important sources for the study of Armenian history and art. These are the only documents which show the engraved effigy of this monarch who lived more than two thousand years ago. In the above catalogue and classification, as indicated earlier, Tigranes' portrait is an important factor. The portraits, royal vestments, and the historical inscriptions which have reached us by means of metallic art all are essential primary sources for the study of this period.

Tigranes (c. 140-56 B.C.) inherited the Artaxiad throne at the age of 45. He passed away at a very ripe old age, 85. The portraits engraved on his coins present the king at different ages of his life span. The portraits present the innocent and attractive appearance of a young man, proud and manly appearance of a handsome figure, also, a matured, far sighted, and wise ruler. To be fair, it must be mentioned that the die-engravers have executed his portrait much younger or Tigranes had a very young appearance compared to his age. A tetradrachm is preserved in the Historical Museum of Erevan engraved with the title of "King of Kings" has the field letters ZΛ,A,ΞK (**Plate 80**, A2-P1a). According to Kh. A. Mousheghian, this coin is struck in 74 B.C., that is when Tigranes was 66 years old.[1] Mousheghian's four times enlarged picture displays an energetic young Tigranes with proud and manly imperial countenance. Another tetradrachm, struck a year later, in 73 B.C. (preserved in Paris, Bibliothèque Nationale de France, engraved with letters

[1] Mousheghian, *The Coin Hoards of Armenia*, p. 48 plus fifth plate.

HΛ,–,ΞK, **Plate 80**, A3-P1a) having the title of "King of Kings," shows Tigranes with a mature portrait not corresponding to his chronological age.[2]

The bust of Tigranes is executed according to the Greek tradition with clean shaven face to right. The portrait art of Tigranes the Great is studied by numismatists who have specialized in this field, E. T. Newell,[3] G. K. Jenkins,[4] J. Babelon,[5] G. A. Tiratsian,[6] and others. These group of authors consider the Tigranes tetradrachm struck according to the finest prevalent Hellenistic numismatic art. The portrait has a classic fineness, and surpasses the portrait art of his late Seleucid predecessors, even though the same engravers had worked in Antioch. In a way, it is hieratic and authoritarian. On his coins, idealistic and realistic features were fused to sculpt an ennobled and deified portrait which radiate immortality through the centuries.

The Armenian Tiara

Our only source for the study of the Armenian tiara[7] is the original coin. Among the Armenian tiaras, those appearing on the coins of Tigranes II, remain unrivaled in variety, elaborate design, and profuse ornamentation. The tiara, facing right, has five peaks, lavishly decorated with pearls or precious stones. A broad diadem encircles the head, knotted at the back, and falls down gracefully towards his shoulders. The tiara is adorned with an eight-rayed star, flanked by two eagles facing outwards, which have their heads turned to each other. Ear flaps and a neck cover, edged with pearls, cover the ear and neck.

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[2] E. Babelon, *Les Rois de Syrie, d'Arménie et de Commagène*, pl. XXIX, No. 15.

[3] E. T. Newell, *Royal Greek Portrait Coins* (Racine, WI, 1937), pp. 56-59.

[4] G. K. Jenkins, *Ancient Greek Coins* (New York, 1972), pp. 271-272, Fig. 663-664.

[5] J. Babelon, *Le portrait dans l'antiquité d'après les monnaies* (Paris, 1950), p. 197, pl. VII, Nos. 7 and 10.

[6] G. A. Tiratsian, "Armenian Portrait Art in the Coins of Tigranes II and Artavasdes II," ANJ, Ser. I, Vol. XIX (June 1993), No. 2, pp. 29-42.

[7] Y. T. Nercessian, "The Evolution of the Armenian Tiara," *Armenian Numismatic Studies*, pp. 138-149, pls. 34-36, reprinted from ANJ, Ser. I, Vol. XI (March 1985), No. 1, pp. 2-12, pls. I-II.

Based on silver coins catalogued here, his tiara peaks, star and eagles, diadem, fillet, ear and neck flaps can be segregated and analyzed for classification purposes.

1. Two seated pearls where a large pearl serves as a base for a smaller pearl (i.e. **Plate 10,** A7-P86a).
2. A large pearl serves as a base for a vertical line. Sometimes, a fillet knotted at back of diadem falls downward with an elaborate curve (i.e. **Plate 22**, A21-P42b).
3. Pyramid shaped edges where each side of the triangle displays a maximum of five or six pearls. In most cases a fillet knotted at the back of the diadem falls downward with an elaborate curve (i.e. **Plate 32**, A33-P27a or **Plate 41**, A39-P95b).
4. Very highly pointed five peaks (i.e. **Plates 52** and **53**, A48-P17a).
5. The five peaks are made of three beads where the bottom bead is the largest and the top bead smallest or the bottom largest two beads consist of two stones (i.e. **Plate 66**, A59-P79a or A60-P79b).
6. The five high peaks are made of fine beaded triangles. Extremely handsome portrait (i.e. **Plate 73**, A65-P1a).
7. Most normal tiaras have an eight-rayed star with two eagles (i.e. **Plates 2 and 3**, A1-P15c).
8. Some tiaras have a six-rayed star with two eagles (i.e. **Plates 60 and 61**, A56-P38a).
9. Instead of an eight-rayed star, we have a comet replacing the five o'clock ray and no eagles (i.e. **Plates 77** and **78**, A3-P3a).
10. Damascus tetradrachm. Similar to preceding comet coin except a star appears on the left side and an eagle to the right which has its head turned back towards the star (i.e. **Plate 76**, A2-P2a).
11. On drachms struck in Artaxata, the star engraved on tiaras may have a seven-rayed (**Plate 81**, a3-p3a), eight-rayed (**Plate 82**, a8-p11a), or ten-rayed design (**Plate 81**, a4-p5a).
12. Ear and neck flaps have varying curvature and length with ornament, and in some cases, have an extra fillet knotted at the back of the diadem which falls downward with an elaborate

curve. For this purpose compare the obverses of **Plates 1** to **7**, A1-P1a to A1-P37b with A2-P38a to A2-P64a.

Monograms

More than two third of Antiochene tetradrachms of Tigranes II are classified in the first four groups and basically are inscribed with a few types of monograms.

1. On rock, monogram ; in r. field, to r. of palm-branch, monogram .
2. On rock, monogram ; in r. field, to r. of palm-branch, o or ⊖.
3. On rock, monogram ; in r. field, to r. of palm-branch, monogram , ϕ , or a . (dot).
4. Above swimmer's head, in r. field, T ; or monogram or .
5. On rock, monogram . This monogram has a few variations, ribbon or Ω hanging from the hand holding the palm-branch and . (dot) in the right field; monogram on rock, or on rock.
6. Additionally, there are some scarce monograms which have been noticed on singular coins: above swimmer's head, ; on rock, monograms and .

There are numerous coins which are inscribed with Greek letters in the field or on the rock. Except for coins struck in the mint of Damascus, the meaning of these Greek letters is unknown. Most if not all of these monograms and letters were used previously on Antiochene coins issued by Seleucid kings. One only needs to review their long list, appeared on 461 Seleucid coins of Antioch, published by Newell in his "Table of Issues."[8] Unfortunately, an explanation on their meaning was not offered. The exact interpretation of these monograms remains uncertain.

On most tetradrachms of Tigranes there is a monogram on the rock and a letter or monogram in the right field. In Groups 1 and 2 we find the same monogram on the rock; in the field we have a monogram for Group 1 and a letter or circle for Group 2 (above, Nos. 1 and 2). Similar observation can be made on Groups 3 and 4 and also Groups 7 and 8 (above, No. 3 and Nos. 5 and 6, respectively). It

[8] Newell, *The Seleucid Mint of Antioch*, pp. 137-151.

is possible to speculate that the monogram on the rock identifies the mint magistrate. The symbols in the right field seem to change more frequently. At the present time there is no satisfactory explanation. Neither one of these monograms denotes coin emissions; it does not seem to fit into an orderly consecutive format.

Stylistic Analysis and Die Linkage, Antioch Mint (Table 1)

For a historian, without doubt, the reverse of Tigranes the Great tetradrachms has special interest. It represents the Tyche of Antioch executed by Eutychides, erected during the reign of Seleucus I (321-280 B.C.). The Tyche, draped and wearing a turreted crown, seated right on a rock, holding a palm-branch in her right hand, is the personification of the river-god Orontes swimming right below her feet. On the same side of the coin, the ruler's title, name, and various field letters and monograms are inscribed.

The reverse monograms inscribed on the rock, and letters and monograms appearing in the field constitute the basic criteria of classifying the Antioch tetradrachms into eleven groups. A word of caution: the group sequence is a logical and methodical classification but not a chronological order. So far no one has been able to offer a chronological sequence based on a scientific proof and persuasive argument.

Because of the ancient technique of minting, striking with a heavy hammer on the back of the upper die, more pressure is applied directly to the punch than anvil dies. Consequently, punch dies wore more quickly and more punch dies were engraved to mint the coins of Tigranes.

Group 1. On coins engraved with monogram |A| on the rock, and monogram A to right of palm-branch, generally, the tiara is ornamented with two seated pearls where a large pearl serves as a base for a smaller pearl (**Plates 1** to **14**, A1-P1a to A13-P113a). Additionally, there are a small number of coins which have the same monograms but the peaks are made of pyramid shaped edges where each side of the triangle displays a maximum of five or six pearls (**Plate 15**, A14-P114a to A14-P119a).

In this group the king's portrait is engraved as a young man with a small nose and chin, which seem to vary for different dies. However, the lengths of ear and neck flaps, the curvature of the spacing between the two flaps, vary conspicuously as we progress in more advanced dies (compare **Plates 1** to **14**, A1-P1a to A13-P113a). The last coin varieties assigned to these monograms (**Plate 15**, A14-P114a to A14-P119a) have the same anvil die and uniform punch dies where minor variations exist, i.e. palm-branch, the monogram in right field and its location.

The monogram on the rock, $\boxed{\Delta}$ (Δ and H), is common to the first two groups. The associtation of these two groups should be together.

Die A1 is shared with 37 punch dies, linked with P1 to P37. This is the longest run not only in this group but in the entire coinage of Tigranes II. Generally, because of poor survival rate and frequent punch die changes, the linkage ranges from 1:1 to less than 1:10. The second longest run of Group 1 is A2 which is shared with 27 punch dies, linked with P38 to P64.

Group 2. On coins engraved with monogram $\boxed{\Delta}$ on the rock, and letter o or ɵ to right of palm-branch, the tiara is ornamented with a large pearl which serves as a base for a vertical line (**Plate 16**, A15-P1c). On some coins this line may not be visible when it is worn out or it may be a weak strike. Also, on numerous coins there is a fillet knotted at the back of the diadem (**Plate 16**, A15-P1a to A15-P1c; **Plates 20** to **23**, A21-P36a to A21-P45a).

Again, the king's portrait is engraved as a young man. He has a prominent nose (A15-P1c), pointed (**Plate 18**, A19-P22a (X)), and on some coins it is slightly hooked (**Plate 29,** A31-P88a (X)). Observations made on ear and neck flaps in Group 1, also apply to this group (**Plate 16**, A16-P1e; **Plate 20**, A20-P34a). Additionally, the stylistic variations of the tiara and the eight-rayed star on the tiara are hard to miss (compare A16-P1e with A31-P88a).

Punch die P1 is shared with two anvil dies, A15 and A16, where the latter is linked with P2.

Groups 3 and 4. Coins classified in Groups 3 and 4 have many monograms or field letters appearing in the right field (Ω , ϕ ,

ϕ or a •), to right of palm-branch (**Plate 32**, A33-P27a; **Plate 47**, A42-P135a; **Plate 49**, A45-P149a; **Plate 46**, A41-P130b). They have in common the monogram ⸸ engraved on the rock on which the Tyche of Antioch is seated. There are numerous stylistic variations. Groups 3 and 4, basically belong to a one larger group.

The tiara peaks have pyramid shaped edges where each side of the triangle displays a maximum of five or six pearls (**Plate 41**, A39-P95b). On various coins the tiara is much higher and has less tilt backwards compared to the others (compare **Plate 32**, A33-P27a with **Plate 38**, A37-P75a). In most cases a fillet knotted at the back of diadem falls downward with an elaborate curve (compare **Plate 30**, A32-P9b and **Plate 38**, A38-P76b with **Plate 47**, A42-P135a and A42-P136a). Observations made on ear and neck flaps in Group 1, also apply to this group (compare **Plate 31**, A32-P20a with **Plate 40**, A39-P88a).

The king's portrait is engraved as a young man on most coins and has a straight but pointed nose (**Plate 29**, A32-P1a). On others he is presented with a mature portrait and has a small but hooked nose (**Plate 41**, A39-P95b). Similar comments can be made about his forehead, eyes, cheeks, and chin which influence the classification of a die. On some dies the engraver sculpted the king's portrait with a smiling face. This is more pronounced on anvil dies of Group 4 (**Plate 46**, A42-P134a or **Plate 48**, A43-P141c).

This is the largest group in the coinage of Tigranes' silver coins, more than 200, and more than 1/4 of Antiochene tetradrachms. A total of 129 punch dies are classified in this third group. Groups 3 and 4 combined classify about 238 coins, 30% of Antiochene tetradrachms, and 151 punch dies. Also, several anvil dies are linked with more punch dies than any other group, A41 with 30 punch dies, A34 with 28 punch dies, A32 with 26 punch dies, and A39 with 22 punch dies. Near the end, the anvil die A41 is linked with P101 to P128 (in r. field, monogram made of I and Ω), P129 (I and ∩), and P130 (.) in Group 4. Then on several anvil dies (A42 to A45) are linked with punch dies having monograms ⦶ and ϕ and their variations P131 to P151).

Group 5 is an unusual coin which can be considered a derivative of the previous group, but the dies are not linked with any other coin (**Plate 50**, A46-P1a).

Group 6. Coins of this type are executed with a young man portrait, receding chin, small sharp pointed nose, lack of pupil in the eye. The tiara has five very high triangular peaks. Above swimmer's head, in right field, T (**Plate 50**, A47-P1a to A47-P3a where the field letter is missing from the latter), monogram ⊤ (**Plate 50**, A48-P4a to **Plate 54**, A48-P23a) or ∇ can be seen (**Plate 55**, A48-P24d to A48-P24g). Coins which have a field letter T are executed with two beads as tiara peaks, where the base bead is very large. It is interesting to note that all coins with triangular peaks (A48-P4a to A48-P24g) share the same anvil die. Their punch dies basically are very similar to each other but have minor variations. The lettering lacks uniformity and on certain dies are not inscribed on the same straight line (A48-P12d).

Recently a small hoard of Tigranes II tetradrachms was discovered, *Freeman and Sear Hoard*.[9] One of the interesting features was its hoard composition; exactly one third of the coins belonged to our Group 6 and engraved with monogram ⊤ .

Foss made an interesting observation on this type, showing the similarity of a copper coin of Antiochus I Theos of Commagene and Tigranes the Great (**Plate 90-D**).[10] One must keep in mind that, on the statues of Nemrud Dagh, Antiochus displays a lion on his tiara,[11] whereas on the obverse of coins assigned to him, he uses an

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[9] Y. T. Nercessian, "A Small Hoard of Tigranes II the Great Tetradrachms," ANJ, Ser. I, Vol. XXVIII (December 2002), No. 4, pp. 91-96, pl. 2.

[10] Foss, p. 29.

[11] B. N. Arakelian, *Outlines of the History of Ancient Armenian Art* (Erevan, 1976), published in Armenian and Russian editions, both with English summary, pl. XXVII; H. Toros, "Tigran's Crown in Commagene," SAN, Vol. VII (Summer 1976), No. 4, pp. 65-66; Th. Goell, "Nimrud Dagh: The Tomb of Antiochus I, King of Commagene," *Archaeology*, Vol. V (September 1952), No. 3 (19), pp. 136-144; F. K. Dörner and Th. Goell, *Arsameia am Nymphaios* (Berlin, 1963), plates 48-50; R. D. Sullivan, "Diadochic Coinage in Commagene After Tigranes the Great," *Numismatic Chronicle*, Seventh Ser., Vol. XIII (1973), pp. 18-39. For a very good picture of lion on the tiara of

eight-rayed star similar to Tigranes the Great. In fact, if one ignores the reverse of Antiochus' copper coins he would attribute it to Tigranes the Great because of its undisputed Armenian tiara.

The tiara has the highest peaks. Two anvil dies are linked with entire coins classified in this small group. There is no monogram on the rock but in the right field we have T, ᛏ, or ᛉ. The second anvil die, A48, is linked with 21 punch dies, P4 to P24.

Groups 7 and 8. Coins classified under these groups have more major and very conspicuous obverse variations than any other type. They have in common the monogram Σ̊ engraved on the rock on which the Tyche of Antioch is seated. The reverse has numerous monograms and field letters appearing in the right field and on the rock (Σ̊, Ⓜ and Σ̊, Ⓜ and ⊡, Ⓜ and Ⓗ, M and ⊖).

One of the most attractive coins of Tigranes is this variety with distinctively ornamented and a very stylish diadem. The tiara has five triangular peaks, two eagles, and eight-rayed star. The boyish Near Eastern portrait displays a prominent nose and strange looking sparkling eyes which are hard to miss (**Plates 55** and **56**, A49-P1a to A49-P10a).

The second obverse variation is the tiara ornamented with two seated pearls where a large pearl serves as a base for a smaller pearl. The tiara has five peaks, two eagles, and eight-rayed star. There is a fillet knotted at the back of the diadem. The king is displayed with a mature portrait (**Plate 57**, A53-P15a).

An interesting observation can be made on a tiara peak where the king has a mature portrait draped right as before, but the five peaks are made of three beads forming a triangle. There are circles around the lower two beads. There is a fillet with curve behind the diadem (**Plate 58**, A54-P20a).

One of the interesting peculiarities of Tigranes' coins is a six-rayed star on his tiara. They are portrayed with a boyish (**Plates 60** and **61**, A56-P38a) and young man portraits (**Plate 62**, A57-P49e).

Antiochus IV of Commagene, see J. M. C. Toynbee, *Roman Historical Portraits* (Ithaca, NY, 1978), p. 135.

Coins classified under this group have the monogram Σ as the common denominator engraved on the rock and other monograms in the right field. In most cases the monogram Θ is above Σ and on the rock. It is a circle in which we can see five radii or letters Θ and Y superimposed (**Plate 69**, A61-P102a and A61-P105a). There is one unique example where the monogram on the rock is ⋔ and in right field we have Θ (**Plates 59** and **60**, A55-P35a). A few coins instead of Σ have ⋔ on rock (**Plates 57** and **58**, A53-P17a). There is anther coin which is linked with A55 anvil die (**Plate 61**, A55-P36a), has a unique monogram M (H and Y su-superimposed) on the rock and in right field letter Θ. On one example, in right field, right of palm-barnch, letter A is engraved (**Plate 68**, A60-P88a). A late addition to Group 7 is A55-P37a, probabaly ⋔ on the rock and in r. field letter Θ.

As indicated above, Groups 7 and 8 belong to a one large group. The reverse dies classifed in Group 8 have ↑ symbol below the Tyche's hand.

An extremely desirable tetradrachm of Tigranes is the coin where an imperial countenance is presented. The tiara is profusely ornamented and its triangular peaks are formed using three layers of pearls sitting on the top of each other. The tiara has an eight-rayed star and two eagles. Below Tyche's hand holding the palm-branch there is a ribbon resembling Ω, hanging from the hand holding the palm-branch which takes the shape of ↑ (**Plate 66**, A59-P79a; **Plate 66**, A60-P79b and **Plate 67**, A60-P81b). In right field, to the right of palm-branch there is a . (dot) on some coins (**Plate 68**, A61-P92a).

Obviously, all the coins classified in Groups 7 and 8 are the work of one craftsman die-engraver. However, since the meaning of these monograms are unclear, the implication of one monogram engraved with so many others could be much more far reaching than we can explain without supposition and based on scientific proof. For example, are all of these type monograms contemporary; were there transfer of die-engravers among mint magistrates and different mints?

Table 1. *Die linkage, Antioch tetradrachms of Tigranes II*

Group 1

A1 { P1 ↓ P37

A2 { P38 ↓ P64

A3—P65

A4 { P66 ↓ P73

A5 { P74 ↓ P75

A6 { P76 ↓ P83

A7 { P84 ↓ P90

A8 { P91 ↓ P92

A9—P93

A10 { P94 ↓ P109

A11 { P110 ↓ P111

A12—P112

A13—P113

A14 { P114 ↓ P119

Group 2

A15 \ \ P1

A16 { P1 ↓ P2

A17 { P3 ↓ P18

A18 { P19 ↓ P20

A19 { P21 ↓ P33

A20 { P34 ↓ P35

A21 { P36 ↓ P42

A22 { P43 ↓ P65

A23—P66

A24 { P67 ↓ P69

A25 { P70 ↓ P71

A26 { P72 ↓ P78

A27—P79

A28 { P80 ↓ P84

A29 { P85 ↓ P86—A30

A31 { P87 ↓ P88

Group 3

A32 { P1 ↓ P26

A33 { P27 ↓ P41

A34 { P42 ↓ P69

A35 { P70 ↓ P73

A36—P74

A37—P75

A38—P76

A39 { P77 ↓ P98

A40 { P99 ↓ P100

A41 { P101 ↓ P129

Group 4

A41—P130

A42 { P131 ↓ P136

A43 { P137 ↓ P145

A44—P146

A45 { P147 ↓ P151

Group 5

A46—P1

Group 6

A47 { P1 ↓ P3

A48 { P4 ↓ P24

Group 7

A49 { P1 ↓ P10

A50 { P11 ↓ P12

A51—P13

A52—P14

A53 { P15 ↓ P19

A54—P20

A55 { P21 ↓ P37

A56—P38

A57 { P39 ↓ P64

A58 { P65 ↓ P75

Group 8

A58 { P76 ↓ P78

A60 { P79—A59 ↓ P89

A61 { P90 ↓ P108

Group 9

A62—P1

Group 10

A63 { P1 ↓ P5

A64 { P6 ↓ P8

Group 11

A65 { P1 ↓ P16

A66—P17

A67—P18

Coins engraved only with monogram $\overset{\circ}{\Sigma}$ (Σ and Ω) is one most dominant variety in Groups 7 and 8, about half. The second largest variety is the type where a ribbon is hanging from Tyche's hand, around three tenth. The third variety which has the circular monogram with five radii, is less than one fifth. All other scarce type monograms and field letters engraved on punch dies, cumulatively, constitute less than four percent of combined Groups 7 and 8.

Anvil die A57 is linked with 26 punch dies, P39 to P64. This is the longest run in both groups. Anvil die A55 is linked with 17 punch dies, the second longest run in this group. Anvil die A58 of Group 7 is linked with punch dies P65 to P75 and also with punch dies of Group 8, P76 to P78, where the latter is also linked with A60 of Group 8. It is interesting to note that most anvil dies are linked with a few or less than ten punch dies.

Group 9. A singular coin is listed in this group where the obverse seems to be similar to coins catalogued near the end of Group 8 but the dies are not linked with any other coin (**Plate 70**, A62-P1a).

Group 10. Coins given to this group are executed with a young man portrait. The tiara is ornamented with two seated pearls where a large pearl serves as a base for a smaller pearl (**Plate 70**, A63-P1c). Generally, there is a fillet knotted at back of the diadem. On several examples there is no such fillet (**Plate 72**, A64-P6a to A64-P8a).

There are 2 anvil dies and 8 punch dies. The characteristic feature of the punch dies are the letters A,M or A engraved below the Tyche (A63-P1c and A63-P4d).

Group 11. One of the most handsome portrait of Tigranes the Great is engraved on coins of this group. The tiara five peaks are very high and made of fine beaded triangles. It is ornamented with eight-rayed star and two eagles. There is no monogram on the rock on which the Tyche is seated but there are letters in right and left

fields, *,Δ,M//H (**Plate 74**, A65-P10a) or Δ,M//H (**Plate 73**, A65-P1a). There is only one anvil die which is linked with 16 punch dies.[12]

In 2001, two tetradrachms belonging to Group 11 were discovered which have major variations in anvil and punch dies.[13] Behind Tyche's head is a letter ϕ above υ (resembling an anchor), and Δ,M; in right field, to righ of palm-branch, letter H (**Plate 75**, A66-P17a). It is curious that the portrait and tiara are basically same as A65 dies but the fillet borders are diferent. On punch dies, the Tyche, style of lettering, and laurel wreath are different. Furthermore, one of them is double struck on the obverse.

Die-Engravers

Numismatic literature has not reached us from ancient days to inform us about the mints and die-engraving schools of Tigranes. Seleucid die-engravers have not signed their names on the tetradrachms of Tigranes either. Our only source is the coin itself. One must study the coin, style and workmanship, to draw a conclusion and offer an informed opinion.

In reviewing all the anvil and punch dies one cannot help but notice the fundamental differences between them. On the anvil side we have high relief portrait, no inscription, and a fillet border. On the punch side the high relief similar to the portraits does not exist, we have king's name and title, the Tyche seated facing right and swimmer to right, letters and monograms on the rock and in the field, and all within laurel wreath. This is applicable to all tetradrachms of Tigranes the Great.

Examination of the different anvil dies of Group 1 reveals that the basic simplified design for many of these look alike. Their detailed design similarities are few but the differences are many and distinct. One could speculate that they were executed in the same engraving school of Antioch, by the same master die-engraver but with

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[12] For an extensive discussion and inferences from linkage see W. E. Esty, "The Theory of Linkage," *Numismatic Chronicle*, Vol. 150 (1990), pp. 205-221.

[13] Y. T. Nercessian, "Some Unpublished Coins of Tigranes the Great of Armenia," ANJ, Ser. I, Vol. XXIX (September 2003), No. 3, pp. 61-65, pl. 4.

the assistance of different individual engravers assigned to his workshop.

The punch dies are much more numerous and for many, the design is extremely close and on many examples the differences are very small. Undoubtedly, many of these were engraved by the same artist. The artists who engraved the portraits on the anvil dies should have been capable of engraving the punch dies. A close examination will show that some punch dies have the same style of workmanship but are slightly different in design details, the Tyche may be sitting straight or slightly leaning forward; the legend is made of small refined or slightly larger and bold letters; swimmer's head may be in front of ΣΩ or Ω; same type field letters and monograms may be at different locations. Their style and basic design similarities, detailed differences and a multitude of dies catalogued (151 punch dies only in Groups 3 and 4), reinforces the conjecture that they were engraved under the supervision of an artist master die-engraver with the assistance of numerous skilled craftsman engravers.

If the student can distance himself from the minor details and look at the central feature of the anvil die, only the portrait, he might be able to detect the artist who has engraved some of the dies. A portrait is a creative work of art and it represents the talent of an individual artist. Indirectly, it is the signature of an artist without his name. It would be extremely hard, not to say impossible, to find two sculptors who can engrave a living human face and create the same identical portrait engraved on hard surface.[14]

Studying plates 1 to 91 invariably will persuade the student that the same basic portrait and similar type basic tiara is engraved on anvil dies of different groups, though with numerous different tiara design details even if minor in nature. Compare only the portraits of **Plate 15**, A14 of Group 1 with **Plates 46** and **47**, A42 of Group 4; **Plates 18** to **20**, A19 of Group 2 with **Plates 58** to **61**, A55 of Group 7; **Plate 65**, A58 of Groups 7 and 8 with **Plate 72**, A64 of Group 10, etc. This strengthens the hypothesis that the dies were engraved by

[14] Confirmed in a telephone communication with Mr. Hagop Ishkanian, who sculpted the medallic portrait of Paul Z. Bedoukian.

assistants, perhaps even a trainee, assigned to master die-engraver. These assistant engravers most likely were transferred from one master die-engraver to another as required.

Studying the tiaras and portraits and regrouping the simplified basic design types, one may conjecture that all of the work is assigned to three or four master die-engravers. The first is die A1 type and has seated pearls on the tiara; the second, A14 type where each tiara peak is triangular and has five or six pearls; the third, A48 type, with highly pointed five tiara peaks; and possibly a fourth master die-engraver is assigned to die A65, discussed in detail later in section on "Satellite Mint of Damascus."

Stylistic and Die Analysis of Mints Other than Antioch

Damascus Mint. Only 6 tetradrachms are assigned to the mint of Damascus (**Plates 76** and **77**, A1-P1a to A4-P2a). Coins assigned to this mint are different in style from those struck in Antioch and other mints. The tiara has five peaks, and it is adorned with an eight-rayed star on the left side and a thick curved line shaped like an eagle to the right. On Damascus coins Tigranes is featured as a young man with a sharp pointed and hooked nose (**Plate 76**, A2-P2a).

The Tyche of Damascus is seated left on a rock. At her feet the upper portion of a swimming figure of the river Chrysaroas facing, with arms outstretched. In exergue below swimmer AMΣ, BMΣ, ΓMΣ (S.E. 241, 242, 243). The style of Damascus tetradrachms is coarse. It is worthwhile to note that the copper coins assigned to the mint of Damascus are undated (**Plate 90-A**).

Comparing the dies indicate that all of them have similar type royal portrait, crude workmanship, and design. Without hesitation one would assign them to the same die-engraving school and the same master die-engraver.

Satellite Mint of Damascus (comet coins). Many Armenian numismatists assigned the comet silver coins to a mint, other than Antioch or Damascus, located south of Armenia proper. Bedou-

kian[15] calls this location "a certain mint," Mousheghian,[16] "...it remains to suppose that, out of Armenia, other than Greater Antioch and Damascus, one other mint has operated." Nercessian[17] published comet type copper coins where the reverses display Tyche of Damascus standing left and he concluded that if this coin was not issued in a satellite or auxiliary mint of Damascus, definitely it was issued in a nearby Seleucid mint, under the influence of Damascus mint masters.

Ten tetradrachms are known with comet star (**Plates 77** and **78**, A1-P1a to A4-P4a). The obverse has the bust of Tigranes with a "young looking" portrait draped to right. The five o'clock ray of the star is replaced by a thick line which moves upward to the right giving the appearance of a comet star. No eagles or decorations are seen on the tiara.

All tetradrachm reverses display a Tyche seated on a rock. Three different reverse varieties exist, ΣΩ (**Plates 77 and 78**, A3-P3a) in exergue, Π in right field and ΔHMO below the swimmer (**Plate 78**, A4-P2a), and Δ and H in left and right fields respectively (**Plate 78**, A4-P3b).

Two varieties of comet star drachms have surfaced, both portraying Tigranes as a young and attractive man. In one case (**Plate 79**, a1-p1a to a1-p1d) the letter in right field resembles Ω (or Π, ∩, or ∩), in second case, M (**Plate 79**, a2-p1a).

On copper coins where the obverse and reverse display similar designs (**Plate 90-B**), there are no field letters like tetradrachms or drachms.

Comet tetradrachms display two different portraits and the same type of tiara. Most likely one master die-engraver had two assistants. As indicated earlier, Antioch mint, die A65 (**Plates 73** and **74**) presents a problem which remains unclear. According to our research, this A65 die belongs to the mint of Antioch. Yet the portrait is identical to those that are engraved on the obverse of

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[15] Bedoukian, CAA, p. 17.

[16] Kh. A. Mousheghian, "The Armenian Hoard of Artaxata," p. 122.

[17] Nercessian, "Tigranes the Great of Armenia and the Mint of Damascus" [YN Damascus mint].

comet type tetradrachms which are assigned to the Satellite Mint of Damascus (compare Antioch die A65 with Satellite Mint of Damascus dies A4). Furthermore, on the punch dies of Antioch tetradrachms A65-P1a to A65-P16a we have the letters ΔMH. Whereas on the comet tetradrachms we have letters Π and ΔHMO (A4-P1a and A4-P2a) and ΔH (A4-P3b and A4-P4a). The similarity of portraits and some field letters on coins of two different mints is quite conspicuous and at the same time are not strong scientific evidence to assign Antioch A65 type dies to the Satellite Mint of Damascus. Yet, it remains an enigmatic problem which hopefully can be solved with the discovery of new hoards.

While on portraits of this group, compare the obverse portraits of Damascus mint A2 with Satellite Mint of Damascus A3 and observe the similarity.

Artaxata Mint. Tetradrachms bearing the inscription of ΒΑΣΙΛΕΩΣ ΒΑΣΙΛΕΩΝ ΤΙΓΡΑΝΟΥ are extremely rare. There are ten known examples, nine of which are illustrated in the photographic plates (**Plates 79** to **81**, A2-P1a to A4-P1a). At least four of these were discovered in present Armenia. All of them display a very high Armenian tiara with five peaks, eight-rayed star, and two eagles.

Silver coins with "King of Kings" title differ in appearance, style, and workmanship from the "regular" tetradrachms which are assigned to the mint of Antioch. They lack the stylish and artistic workmanship which is so eloquently executed on the Antiochene tetradrachms. All of the Artaxata tetradrachms display the same basic type of portrait on their obverses. The reverses are engraved with the same type of lettering noticed on the Artaxata drachms but lack the letters and monograms noticed on Antiochene tetradrachms. There is no letter or monogram on the rock below the Tyche.

The drachms (**Plates 81** to **89**, a1-p1a to a42-p1a) are simplified because of space limitation. However, the obverse and reverse workmanship and design, without hesitation, reminds us that they belong to the same die maker and the same school where the tetradrachm dies were cut. As noted, the legend and field letters on the

reverse show a great similarity to those inscribed on the tetradrachms.

Similar to tetradrachms, there are two types of alterable letters, between the Tyche's head and palm-branch, and a letter between the palm-branch and swimmer. Also, there are two fixed letters ΞK or ΞC in exergue. So far there is no consensus on their meaning.

Most copper coins that display Tyche on the reverse are inscribed with the "King of King" title (**Plate 90-C**). There is no consensus about the mint where they were struck. Foss has suggested Tigranocerta as a major mint for the copper coinage.[18] The bulk of copper coins of Tigranes which were overstruck (63%) display Tyche.[19]

Metrology

Antioch Mint. Coins catalogued in this monograph came mostly from fixed price and auction catalogues, and some from museums holdings and private collections. Published numismatic literature did not always include the required metrological data (weight, diameter, and die axis orientation).

Silver coins of Tigranes issued in Antioch are all tetradrachms and struck according to the Attic standard, with a nominal weight of 16 grams. In this book for 731 tetradrachms or 92% (731 out of 790), the median weight is 15.66 grams, and the average weight is 15.52 grams.[20] The mode vale for 19 frequencies is 15.70 grams; however, it should be noted that for 18 frequencies it is 15.60 grams and for 17 frequencies, 15.40 grams, averaging 15.57 grams for three top frequencies. More than 91% (670 out of 731) of these coins have a weight spread of 14.90 to 16.09 grams. Coins spreading from 15.40 to 15.79 grams are more than 48% (355 out of 731) and have an average weight of 15.595 grams. This data corroborates with the

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[18] Foss, p. 64.

[19] Nercessian and Saryan, "Overstruck and Countermarked Coins of the Artaxiad Dynasty of Armenia," Nos. 10-95.

[20] Mode = The value having the greatest frequency. Median = The middle number in a given sequence of numbers. If the middle data is two numbers, then the average of both. Average = The numerical result obtained by dividing the sum of two or more quantities by the number of quantities.

Table 2. *Relationship of weight (grams) and dies, Antioch tetradrachms of Tigranes II*

	A1-14	A15-31	A32-41	A41-45	A46	A47-48	A49-58	A58-61	A62	A63-64	A65-67	
Group/Æ→	1	2	3	4	5	6	7	8	9	10	11	Total
X>16.5	1		1			2		2				6
16.40-9											1	1
16.30-9	1											1
16.20-9	1					1						2
16.10-9	2	1	1			3						7
16.00-9	3		7	**6**		6	1	1		1	1	26
15.90-9	13	8	18	1		11		4		**5**	3	63
15.80-9	21	5	15	3		**12**	4	2		**5**	1	68
15.70-9	22	**19**	24	2		5	6	4		**5**	2	89
15.60-9	**35**	9	23	3		6	**14**	4		3	3	100
15.50-9	14	16	17	**6**		3	6	4	1	1	**4**	72
15.40-9	23	17	**24**	1		6	13	**6**		3	1	**94**
15.30-9	13	12	8			1	8	**5**			1	48
15.20-9	8	5	13	2			9	1			1	39
15.10-9	6	5	7	2			8	1		2	1	32
15.00-9	2	4	8			2	4	2				22
14.90-9	3	4	5	1	1		2	1				17
14.80-9	1		2				2	2				7
14.70-9	1	4	1			1	1					8
14.60-9	1	1	3				2					7
X<14.6	5	6	4	1			2	3			1	22
Total	176	116	181	28	1	59	82	42	1	25	20	731
Mode												(19 frequencies) 15.70
Median												15.66
Avg.	15.55	15.40	15.52	15.58	14.99	15.84	15.38	15.42	15.51	15.71	15.62	15.52

information obtained in the past by Bedoukian (average 15.476 grams),[21] the author (average 15.44 grams),[22] and Callataÿ (median

[21] Bedoukian, CAA, pp. 49-54, Nos. 17-42. The average weight 15.476 grams of a tetradrachm is computed by the author from the recorded weights of 130 tetradrachms (fourrée coins excluded) catalogued in Bedoukian's corpus.

value of 15.59 grams).[23] The relationship of the weight and dies are tabulated in Table 2.

Table 3. *Relationship of diameter (mm) and dies, Antioch tetradrachms of Tigranes II*

	A1-14	A15-31	A32-41	A41-45	A46	A47-48	A49-58	A58-61	A62	A63-64	A65-67	
Group/Æ→	1	2	3	4	5	6	7	8	9	10	11	Total
31ø						2	1				1	4
30ø			1				1	1			5	8
29ø		2	1			2	7	5		2	**5**	24
28ø	7	11	4	1		**10**	6	**12**		1		52
27ø	18	13	22	6	1	2	**17**	6		**5**		90
26ø	**44**	**26**	36	**7**		2	5	3		2		**125**
25ø	22	11	**38**			1		3		2		77
24ø	2		1	2								5
Total	93	63	103	16	1	19	37	30		12	11	385
Mode												26
Median												26
Avg.	26.23	26.65	26.11	26.51	27	28.09	27.70	27.81		27.01	29.78	26.76

Most auction and fixed price sale catalogues in Europe and North America publish their photographic coin pictures as close to the original size as possible. Perhaps for this reason only a small percentage of classic coin sale catalogues report the coin diameter. However, a published illustration may not have an exact one to one ratio. Scaling off the diameter of a coin from a published document would not be extremely accurate and scientific. Retrieved data for coin diameters belongs to 48% (385 out of 790) of coins catalogued in this study. About 89% of the coins (342 out of 385) have a diameter spread of 25 to 28 mm. The most frequently used diameter (mode) size is 26 mm (about 1/3 of coins). The relationship of the tetra-

[22] Nercessian, "A «Hoard» of Silver Coins of Tigranes II" [N], *Armenian Numismatic Studies*, p. 22, in ANJ, Ser. I, Vol. XX (March 1994), p. 9. The average weight of a tetradrachm computed from 76 coins is 15.44 grams.

[23] Callataÿ, *L'histoire des guerres mithridatiques vue par les monnaies*, p. 222.

drachm diameter and dies are tabulated in Table 3. A similar result of 26 mm was obtained by Callataÿ.[24]

Table 4. *Relationship of die axis orientation and dies, Antioch tetradrachms of Tigranes II*

	A1-14	A15-31	A32-41	A41-45	A46	A47-48	A49-58	A58-61	A62	A63-64	A65-67	
Group/Æ→	1	2	3	4	5	6	7	8	9	10	11	Total
2h	1							1				2
1h	17	14	34	7		3	10	10			4	99
12h	**42**	**35**	**47**	**8**		**11**	**31**	**15**		**7**	**4**	**200**
11h	21	1	6			9	2	3		5	2	49
10h	1											1
Total	82	50	87	15		23	43	29		12	10	351

Die axis orientation is only rarely reported in sales catalogues. About 57% of the coins (200 out of 351) have a perfectly vertical or 12 o'clock (some numismatists prefer 0 o'clock) die axis orientation. F. de Callataÿ reports 64% in his book.[25] Practically all of the rest are either 11 o'clock or 1 o'clock orientation (28% and 14%, respectively). Apparently, in ancient days, the die-engravers had a great pride in their workmanship. They were good craftsman, took time to pay attention to minor details, and insured that all coins were as accurate as possible, and have perfect die axis orientation even though some may have shifted 10 to 20 degrees. Callataÿ has additional information on die axis orientation in the book that he published.[26] On rare occasions the die axis orientation is at 10 o'clock or 2 o'clock (less than 1% only). The relationship of the die axis orientation and dies are tabulated in Table 4.

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[24] *ibid.*

[25] *ibid.*

[26] F. de Callataÿ, *Les monnaies grecques et l'orientation des axes* (Milan, 1996), 120 pp., illus.

Damascus Mint. Because of the paucity of Damascus tetradrachms a meaningful metrological table could not be prepared. The two S.E. 242 tetradrachms seem have a weight very close to each other, 15.73 and 15.79 grams. The average of known six examples is 14.48 grams. All known examples seem to have a diameter of 27 or 28 mm.

Satellite Mint of Damascus (comet coins). Comet tetradrachms are rare similar to Damascus tetradrachms. Five coins inscribed with ΣΩ field letters have an average weight of 15.794 grams, 27 or 28 mm diameter. The average weight of all known 10 comet tetradrachms is 15.862 grams, and the diameter average based on seven examples, 28.31 mm. Coins inscribed with Π,ΔHMO letters seem to have the widest diameters, 30 and 31 mm.

The known four comet drachms, engraved with letter ∩, have an average weight of 3.7175 grams. The average of weight of 5 known comet drachms is 3.798 grams.

Artaxata Mint. Tetradrachms struck in Artaxata are very rare. For the group inscribed with HΛ,ΞK field letters, the average weight for 5 examples is 16.196 grams, and the average for ten known tetradrachms is 15.907 grams, for 8 examples the average diameter is 30.58 mm, and the most frquently used die axis orientations are 12 o'clock. Because of the paucity of specimens the data was not tabulated similar to the tetradrachms struck in the mint of Antioch.

Generally, the weight of each drachm is expected to be four grams, or 1/4 of a tetradrachm. Bedoukian's average weight for a drachm is 3.92 grams,[27] Nercessian's average is 3.94 grams.[28] In this monograph 43 drachms have a weight of 4.00 grams or heavier. The median value is 3.96 grams, mode value is 4.00 grams. In this

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[27] Bedoukian, CAA, pp. 56-61, Nos. 50-87. The average weight 3.92 grams of a drachm is computed by the author from 47 drachms catalogued in Bedoukian's corpus which have their weights.

[28] Nercessian, "A «Hoard» of Silver Coins of Tigranes II" [N], *Armenian Numismatic Studies*, 3.94 grams is averaged from 16 drachm metrological data on pp. 41 (Nos. 80-87), 52 (No. 122), and 54 (Nos. 244-250).

study, the average drachms, however, seem to have a weight of less than a quarter of a tetradrachm. The average weight of 140 examples is 3.82 grams (3.82x4=15.28g which is 4.5% less than 16 grams or 1.55% less than 15.52 grams, the average weight of a tetradrachm in this study). One reason for this low average could be the weights of chipped pieces reported. There are nineteen chipped Artaxata drachms and their average weight is 3.35 grams. Eliminating these examples from the averaging process would raise the total average to 3.89 grams. The data is tabulated in Table 5.

Table 5. *Relationship of weight (grams) and field letters, Artaxata drachms of Tigranes II*

Field letters	ΔΛ	EΛ	ϛΛ	ZΛ	HΛ	ΘΛ		Total
X> 4.4		1						1
4.30-9			1					1
4.20-9								
4.10-9	1	2	**9**	**3**				15
4.00-9		8	**12**	**6**				26
3.90-9		**12**	5	1	1			19
3.80-9	1	**11**	**11**	2		1	1	**27**
3.70-9	1	8	5	3				17
3.60-9		6	4	1				11
3.50-9		3	3					6
X< 3.5		10	5	1	1			17
Total	3	61	55	17	2	1	1	140
Mode								4.00
Median								3.96
Avg.	3.90	3.76	3.86	3.92	3.50	3.80	3.84	3.82

More than half of the drachms have their diameters and die axis orientation reported. Nevertheless, this is a better ratio than the Antioch tetradrachms. One good reason for this, about 40% of drachms (58 out of 147) have been reported from the Erevan Museum in Armenia, and all of them with their metrological data

(weight, diameter, and die axis orientation). The most frequently used diameter is 20 mm (Table 6). More than 57% of reported die axis orientations (58 out of 101) are 12 o'clock and more than 98% vary from 11 to 1 o'clock (Table 7).

Table 6. *Relationship of diameter (mm) and field letters, Artaxata drachms of Tigranes II*

Field letters	ΔΛ	ΕΛ	ϛΛ	ΖΛ	ΗΛ	ΘΛ	Ξ	Total
22ø		6	1					7
21ø		5	5	2				12
20ø	1	**22**	**22**	**3**		1		**49**
19ø	**2**	12	11	**6**	1		1	33
18ø		5	2	1				8
Total	3	50	41	12	1	1	1	109
Mode								20
Median								20
Average								(19.77mm) or 20

Table 7. *Relationship of die axis orientation and field letters, Artaxata drachms of Tigranes II*

Field letters	ΔΛ	ΕΛ	ϛΛ	ΖΛ	ΗΛ	ΘΛ	Ξ	Total
1h		12	2	**6**		1		21
12h	**3**	**28**	**23**	4				**58**
11h		8	12					20
10h		2						2
Total	3	50	37	10		1		101

No attempt was made to estimate the original number of dies for drachms inscribed with the "King of Kings" title since most of the groups consist of few coins. There are only four groups where the classified coins count 10, 12, 11, and 16 pieces. All the rest of them are less than 10 pieces in 26 other different groups.

Estimation of Original Dies

Antioch Mint. There are some numismatists who still have a mixed feelings about estimation of original dies. The numismatic science has made great strides, and majority of numismatists accept that modern science can estimate the number of original dies of ancient coins. Carter's formulae enables us to generate estimates which are statistically sound and useful. Carter's method of calculating the dies seems to be accurate, reliable and adequate.[29]

In his discussion, Carter makes a comment, "Note that for very large number of coins in a given issue, D = d,or all dies are known."[30] The bulk or most common of the Antioch tetradrachms, more than 68% (544 out of 790) are classified under anvil dies A1-A45. Coins listed in these four groups have an estimated original anvil dies of 45.03±0.56, or a range of 44 to 45 which is not far from our d-value of 44. Similarly, for the entire Antioch mint catalogue, our total D is 67.16±0.70, spread of 66 to 68, not much off from original d-value of 67, as tabulated in Table 8.[31]

Table 8. *Estimation of number of original anvil dies, Antioch tetradrachms of Tigranes II*

	A1-14	A15-31	A32-45	A1-45	A46	A47-48	A49-61	A62	A63-64	A65-67	
Group Æ→	1	2	3,4	1,2,3,4	5	6	7,8	9	10	11	Total
d	14	17	14	45	1	2	13	1	2	3	67
n	185	121	238	544	1	63	134	1	27	20	790
n/d	13.21	7.18	17.00	12.11	1	31.5	10.31	1	13.5	6.67	11.81
D	13.93	17.88	13.73	45.03		1.92	13.17		1.99	3.18	67.16
s	±0.28	±0.63	±0.21	±0.56		±0.04	±0.36		±0.11	±0.30	±0.70

[29] G. F. Carter, "A Simplified Method for Calculating the Original Number of Dies from Die Link Statistics," American Numismatic Society *Museum Notes*, Vol. 28 (1983), pp. 195-206.

[30] *ibid*, p. 199.

[31] In anvil and punch die estimation calculations, d = number of known dies, n = number of coins in the study, D = original number of dies, s = standard deviation calculated from $s = \frac{D\sqrt{D}}{n-1}$ (D times ± square root of D, divided by n-1).

The above calculations tell us that our corpus of surviving anvil dies is close to being complete, even if it is off by a very small number of 2 (3%). Putting in different words, most likely, a collector or a museum curator will be able to find more than 97% of the obverse dies of his coins in our classification without any difficulty.

The punch dies show a different result. Our calculations show that the original estimated known dies was much more than what has been retrieved for our study. Either an extensive supply of coin pictures and information on coins have not been retrieved or there has been a very high mortality as one would expect to be the case. In addition to "normal" attrition loss (recycling for a new currency and conversion to jewelry) and elimination of foreign revenues, also Lucullus[32] captured 8000 talents of drachms from the treasury of Tigranocerta and Pompey[33] received 6000 talents in silver coins from the treasury of Sophene. The estimations of original punch dies are tabulated in Table 9.

Table 9. *Estimation of number of original punch dies, Antioch tetradrachms of Tigranes II*

	P1-119	P1-88	P1-151		P1	P1-24	P1-108	P1	P1-8	P1-18	
Group/Æ→	1	2	3.4	1.2.3.4	5	6	7.8	9	10	11	Total
d	119	88	151	358	1	24	108	1	8	18	518
n	185	121	238	544	1	63	134	1	27	20	790
n/d	1.55	1.39	1.58	1.52		2.63	1.24		3.38	1.11	1.53
D	267.99	256.22	332.19	839.85		32.57	433.30		9.77	131.68	1207.09
s	±23.84	±34.18	±25.55	±44.82		±3.00	±67.81		±1.17	±79.52	±53.15

[32] Plutarch, xxix, 3; Manandian, *A Critical Survey of the History of the Armenian People*, Vol. I, p. 207; *Collected Works*, p. 207; *Tigrane II et Rome*, p. 121; de Morgan, *A History of the Armenian People*, p. 92; Berj Sabbaghian, "The Number of Soldiers of Lucullus at the Battle of Tigranocerta," *Haigazian Armenological Review*, Vol. IV (1973), pp. 97-102 (in Armenian).

[33] Strabo, xi, 14, 10 (530); Plutarch, xxxiii, 3-4; Appian, *Mithridates*, 104; Manandian, *A Critical Survey of the History of the Armenian People*, Vol. I, pp. 235-6; *Collected Works*, p. 234; *Tigrane II et Rome*, pp. 175-176; de Morgan, p. 96.

A word of caution, quoting from S. E. Buttrey and T. V. Buttrey, "We agree that the formulae generated by Carter, Esty, and Good on the basis of probability theory can provide credible solutions under the right circumstances, but they are not fruitful in the case of very small samples, as in many cases of the issues treated here."[34] There are quite a few groups where the number of coins in the subject study is small. Furthermore, for the punch dies, most "n/d" ratio is barely above "1" which for some reason does not seem to yield a good figure. The "n/d" ratio seems give better results when the ratio is higher than 3.

Antioch, beside being the capital of Seleucid kingdom, was the economic and commercial center of that part of the world. In eastern Asia Minor the popular silver coin was the drachm. In Syria, the popular silver coin was the tetradrachm according to the local tradition. Like most modern countries, the defense budget of Tigranes most likely was his biggest expense. He had a huge army composed of many nationalities[35] and Greek mercenaries.[36] His army needed supplies, provisions, materiel, and the payroll of his soldiers. Therefore, one would think that when Tigranes ruled Antioch for fourteen years, he may have struck hundreds of thousands of silver tetradrachms.[37]

One would never know exactly how many silver coins Tigranes the Great actually struck in the mint of Antioch and how many of them have survived and are preserved today in museums and pri-

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[34] S. E. Buttrey and T. V. Buttrey, "Review Article: Calculating Ancient Coin Production, Again," *American Journal of Numismatics*, Vol. 9 (1997), pp. 113-135.

[35] Appian, *Syrian Wars*, 48.

[36] F. de Callataÿ, "Guerres et monnayages à l'époque hellénistique. Essai de mise en perspective suivi d'une annexe sur le monnayage de Mithridate VI Eupator," *Entretiens d'archéologie et d'histoire* (Saint-Bernard-de-Cominges, 1997), pp. 337-364.

[37] Estimating the number of coins per die is a controversial subject. Some numismatists have proposed various figures ranging from c. 2,000 to 78,000 for one obverse die (F. de Callataÿ, "Calculating Ancient Coin Production: Seeking a Balance," *Numismatic Chronicle*, Vol. 155 (1995), pp. 289-311; W. W. Esty and G. F. Carter, "The Distribution of the Numbers of Coins Struck by Dies," *American Journal of Numismatics*, Vols. 3-4 (1992), pp. 165-186). If assumed 20,000 coins per anvil die, this will yield (67x20,000) 1,340,000 Antiochene tetradrachms for Tigranes II the Great. However, estimating or calculating coin production is beyond the scope of this study.

vate collections. Based on our experience with Armenian coins, we speculate that the total number of silver coins that have survived could be close to 1500; Antiochene tetradrachms, 1250; and indeterminable quantity below earth but the cooperation of talented historians and archaeologist is needed to unearth them.[38]

The calculated total estimated punch dies have a range of 1154 to 1260 (1207.09±53.15). Or if a more conservative approach is taken and looked at the total of first four groups which are the most abundant varieties, the range spread would be 795 to 885 (839.85± 44.82). In paraphrasing it, a collector or a museum curator will have a good chance of finding more than half of his coin reverse dies catalogued in this study (more about this below). In addition to not being able to retrieve sufficient data for die study, the Seleucid mint workers may have changed their punch dies very frequently even before full use and complete die wear.[39] Consequently, they had to engrave more punch dies.

Additions to Antioch mint coins and new die assignment. Near the end of numismatic research phase of this project in 2000, three late-arriving groups of coins were classified, consisting of 21, 20, and 100

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[38] Hundreds of silver coins of Tigranes the Great remained uncatalogued in our present corpus. For example P. Bedoukian listed around 300 silver coins (CAA, pp. 47-61, plates 1-4) including tetradrachms, drachms, and fractional drachms. Yet only 63 of them were illustrated in the photographic plates. For the purpose of die study, these unillustrated coins could not be utilized. After making allowances for those which were accessible from various museums and private collectors, it is estimated that 150 to 200 "known" coins were not available to be classified in present corpus.

Additionally, there are numerous collectors who remained on sidelines and could not participate in our study for various reasons, such as secrecy, indifference, and inability to prepare and transmit the necessary information (photographs, metrological data, etc.). Therefore, it would not be an exaggeration to assume that 300 to 400 pieces of silver coins or their images and data remained unaccessible for this study.

Furthermore, numerous tetradrachms known to us, at the rate of 20-25 per year, have surfaced during the past five years (2001-2005), listed in sale catalogues and also sold to collectors without being listed. Reliable information has indicated that a good part of these coins is newly unearthed material. One could presuppose that this trend of new discoveries will continue in the foreseeable future.

[39] F. de Callataÿ, "Étude de technique monétaire: le rapport «Nombre de Coins de revers / nombre de coins de droit» á l'Époque Hellenistique," *Revue des Archélogues et historiens d'art de Louvain*, Vol. XXXII (1999), pp. 91-102.

pieces. About two-thirds was new material and 43 pieces of these two private collections and one museum holdings were already recorded in the corpus. The rest of the coins (including Antioch tetradrachms, Artaxata drachms, and counterfeits) without any difficulty were assigned anvil die numbers. However, for 38% of coins (37 out of 98) new punch die numbers had to be assigned.

The article form of this study has been revised five years later to be published as a monograph. Tetradrachms added during a five year period to the Antioch mint were 162 pieces (790 minus 628). Anvil dies increased 3% (5 dies for 162 coins) and punch dies 34% (55 dies for 162 coins).

One could analyze and decide which group of coins had new or how many anvil/punch dies, what percentage compared to the group, entire mint, and so on. In final analysis, the conclusion drawn could only point toward a direction and provide a useful guide for the purpose of assingning new anvil/punch die numbers for the future additions.

In author's opinion, this experience could be an indication that if all known anvil dies are not classified herein, they must be very close to it, better than ninety-seven percent. The reverse series, however, is far from complete. There is a good chance that for new discoveries or coins left ouf of this classification, more than fifty percent of coins may have an assigned punch die number.

Mints

Tigranes had a vast empire and he constructed a new capital, Tigranocerta, at the geographic center of his empire. His coins were struck in several known mints: Artaxata, Antioch, Damascus, and others. Most numismatists agree that tetradrachms displaying the Tyche of Antioch with ΒΑΣΙΛΕΩΣ // ΤΙΓΡΑΝΟΥ inscription were issued in the mint of Antioch between 83-69 B.C.

All his silver coins with the legend ΒΑΣΙΛΕΩΣ // ΤΙΓΡΑΝΟΥ were struck south of Armenia proper, that is in Antioch, Damascus, and other mints located in this territory. The coins struck in Antioch were issued according to the finest Seleucid tradition by the same engravers who worked for the kings of Seleucia before Tigranes the Great. The mint of Antioch was famous for striking silver tetra-

drachms during the past few hundred years. Also, it was the most important for Tigranes.

The coinage of Tigranes also includes silver drachms, where on the reverse side the Tyche of Artaxata is depicted. Most numismatists are of the opinion that all silver drachms displaying the Tyche of Artaxata and with the inscription ΒΑΣΙΛΕΩΣ // ΒΑΣΙΛΕΩΝ / ΤΙΓΡΑΝΟΥ were issued at the mint of Artaxata. Discovered and documented coin hoards in Armenia also attest to this.

Additionally, he issued numerous types of copper coins where the reverses display Tyche, Heracles, Nike, cornucopia, palm-branch, and other types.[40] His Damascene copper coins, struck more abundantly than the silver coins of this mint, have similarities to silver tetradrachms. The obverses of silver and bronze are very similar. However, the coarse style and the Damascus Tyche seated definitely resemble the silver issues. In addition to these noted mints in Syria, and a Satellite Mint of Damascus, a travelling mint with the Army may have overstruck copper coins,[41] as C. Foss has suggested.[42]

Chronology

Damascus. Coins of Tigranes the Great were struck in numerous mints and with various types of field letters or monograms. Tetradrachms issued in Damascus are dated using the Seleucid era 312 as the reference date (312-243=69 B.C.). All numismatists agree on this point and the dates correspond with the period (72-69 B.C.) that he ruled Damascus (ΑΜΣ=72-71 B.C., ΒΜΣ=71-70 B.C., ΓΜΣ= 70-69 B.C.).[43]

Antioch. In 83 B.C., Tigranes was invited to "deliver" Seleucia. Hence the lands south of Armenia proper formed a part of the em-

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[40] Bedoukian, CAA, pp. 62-68, pls. 5-6; Nercessian, ACV, pp. 61-74, Nos. 44-122, pls. 4-9.

[41] Nercessian and Saryan, "Overstruck and Countermarked Coins of the Artaxiad Dynasty of Armenia."

[42] C. Foss, *op. cit.*

[43] MacDonald, "The Coinage of Tigranes I," p. 200; Newell, *Late Seleucid Mints in Ake-Ptolemais and Damascus*, p. 107, Nos. 147-149; Bedoukian, CAA, pp. 48-49, Nos. 12-14.

pire of Tigranes from 83-69 B.C. after the occupation of Antioch.[44] As a compliment to the city, and for the first time in numismatic history, Tigranes engraved on the reverses of his tetradrachms the Tyche of Antioch sculpted by Eutichides of Sicyon.[45] It can be supposed that the tetradrachms of Tigranes minted in Antioch were struck during a period of occupation or as long as that city was under his rule. Based on the letters and monograms engraved on his coins, as of today, we are unable to establish the precise chronology when they were issued. A coin portrait (boyish, young, or mature) would be considered a subjective matter and that would not help in chronological classification.

Coins issued in Artaxata, Antioch, Tigranocerta, and some other uncertain mints need numismatic research. And even after extensive research there may not be a satisfactory answer, since this subject has kept many numismatists busy in the nineteenth and twentieth centuries.

The meaning of monograms inscribed on the tetradrachms having the legend ΒΑΣΙΛΕΩΣ//ΤΙΓΡΑΝΟΥ, given to Antioch, remains uncertain and they present a great challenge to numismatists.

Artaxata, Tetradrachms with ΒΑΣΙΛΕΩΣ ΒΑΣΙΛΕΩΝ. Tetradrachms having the legend ΒΑΣΙΛΕΩΣ // ΒΑΣΙΛΕΩΝ / ΤΙΓΡΑΝΟΥ differ in appearance and style from the Antioch type tetradrachms in style, general appearance, and fabric. They are extremely rare and only ten examples are known. They are inscribed with letters between palm-branch and Tyche's head, to right of palm-branch, and exergue. They show a great similarity to the drachms which bear the same "King of Kings" title and similar form of field letters.

At first glance they look very simple and one would be tempted to say regnal years are inscribed on these coins. However, historical corroboration remains a great problem.

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[44] Justin, xi, 1, 1-4; Strabo, xi, 14, 15 (532).

[45] G. F. Hill, *Historical Greek Coins* (London, 1906), p. 164; A. R. Bellinger, "The End of Seleucids," *Transactions of the Connecticut Academy of Arts and Sciences*, Vol. 38 (reprint, New Haven, 1949), pp. 51-102.

Tigranes attacked Parthia and liberated the Armenian populated lands during 89-85 B.C. which he had ceded to Parthia as ransom when he was held as a hostage. Tigranes claimed the title of "King of Kings" from Parthia and inscribed this on his silver and copper coins struck in Armenia proper (**Plate 90-C**). The Tyche engraved on his silver coins with the "King of Kings" title is known as the "Tyche of Artaxata." The basic design, the prototype, of this Tyche is not much different from the Tyche which is engraved on Antiochene tetradrachms, issued after 83 B.C. Therefore, taking into consideration the date that he "earned" the ΒΑΣΙΛΕΩΣ ΒΑΣΙΛΕΩΝ title and also the year when he occupied Antioch, it is logical to conclude that these coins also could have been struck after 83 B.C.

Drachms with ΒΑΣΙΛΕΩΣ ΒΑΣΙΛΕΩΝ. On these drachms, similar to tetradrachms with same type legend, the letters are inscribed in three different location: two letters between palm-branch and Tyche's head, one letter to right of palm-branch, and fixed letters of ΞΚ or ΞC in exergue.

The known letters inscribed to the right of Tyche's head: CΛ (=ΓΛ?), ΔΛ, ΕΛ, ϛΛ, ΖΛ, ΗΛ, ΘΛ (33, 34, 35, 36, 37, 38, 39), if were regnal years,[46] would correspond to the latter 7 years of his rule, that is 63-57 B.C. Table 10, regnal date and period tabulation shows this very eloquently. If these letters stand for regnal years, obviously, they do not represent his most glorious years, coins struck between 85-69 B.C. Or more bluntly, did Tigranes strike coins inscribed with "King of Kings" title in the mint of Artaxata only after his defeat by Lucullus (69 B.C.) and four years after his humiliation and signing a peace treaty with Pompey (66 B.C.)? Unlikely!

As noted above, Lucullus looted most of the wealth (8000 talents of silver coins plus 800 drachms to each Roman soldier) from the treasury of Tigranocerta in 69 B.C. and Tigranes paid to Pompey

[46] In a private e-mail dated 25 August 2005, addressed to the author, Ruben Vardanyan disagreed with Babelon's hypothesis. His argument, why would a coin struck in Artaxata, Armenia, follow the Phoenician principle of dating. He concludes that they represent the regnal years of Tigranes the Great.

6000 talents war indemnity which came from the Treasury of Sophene in 66 B.C., according to Manandian.[47] He still had his treasury in Artaxata which, according to Manandian, remained mostly untouched. If some of his Damascene coins dated 72-69 B.C. could survive in Syria, why not coins struck in Armenia proper where the conditions were more favorable? Unfortunately, there are more questions than answers.

Table 10. *Tigranes II the Great regnal date and period*

Date B.C.	Regnal year	Date B.C.	Regnal year	Date B.C.	Regnal year	Date B.C.	Regnal year
95	1	85	11	75	21	65	31
94	2	84	12	74	Artaxata 22	64	32
93	3	83	13	73	Artaxata 23	63	33
92	4	82	14	72	Artaxata 24	62	34
91	5	81	15	71	Artaxata and Damascus 25	61	35
90	6	80	16	70	Damascus 26	60	36
89	7	79	17	69	Damascus 27	59	37
88	8	78	18	68	Damascus 28	58	38
87	9	77	Artaxata 19	67	29	57	39
86	10	76	Artaxata 20	66	30	56	40
			Artaxata				

[47] Manandian, see above, notes 32 and 33.

E. Babelon's suggestion that the Phoenician principle of dating (111 B.C. as the reference date) used in Tripolis and Sidon, employed on the drachms and tetradrachms of Tigranes with "King of Kings" title, so far, seems to be the most logical approach.[48] If this hypothesis is acceptable, the dated tetradrachms and drachms were struck in 78, 77, 76, 75, 74, 73, and 72 B.C. which brings them to the same period when his Damascene coins were struck. This solution is a partial answer. There are no dated coins of any mint extending from 95-79 B.C. and 68-56 B.C. Recently, my friend F. de Callataÿ in one of his comments, ruled out the date and raised the question of "control marks" for these letters.

The known letters inscribed to the right of palm-branch: A, B, Γ, Δ, E, ς, Z, H, Θ, I, K, Λ, represent 12 different letters. Some numismatists have accepted them as the issue of month. One could be tempted to accept the first ten letters as designation for a month but K and Λ are too high (20 and 30) to denote months. They cannot be accepted as errors (Λ for A) since there are many examples, furthermore the same letter is inscribed above and below the palm-branch (**Plate 88**, a33-p35a and a33-p36b). It is possible that they may indicate the sequence of coins issued. Definitely, letters K and Λ are not dates or numbers denoting the month of striking the coin.

Letters of ΞK or ΞC in exergue have been seen only on Artaxata tetradrachms and drachms. It is possible that may be the signature of mint magistrate.

Counterfeits

Numerous papers have been published on counterfeits. Obviously, morally, ethically, and legally it is wrong to market counterfeit coins as genuine. At the same time, it is unprofessional and equally wrong to label a coin counterfeit without having sufficient proof. In this cataloguer's opinion, a rational and logical discussion must be provided to label a coin as a forgery.

The biggest group of counterfeits are Becker type (16 pieces, **Plate 90**, c/f A1-P1n type). The catalogue presented here may be far

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[48] Babelon, *Les Rois de Syrie, d'Arménie et de Commagène*, Vol. I, pp. CXCI-CCVII, 211-216, 268, pl. XXIX.

less than the actual number, since many private collectors may not even know that their coins are not genuine, and for some others it is a matter of pride; no collector likes to admit that he has been deceived.

Table 11. *Summarized data on counterfeit coins of Tigranes II*

Mint	*Anvil Dies*	*Punch Dies*	*Known Coins*
Antioch	9	10	42
Artaxata Drachm	3	4	5
Artaxata type Hemidrachm	1	1	1
Hemidrachm (cornucopia)	1	1	1
Total	14	16	49

Herein only coins are presented which are published and proven beyond doubt as counterfeits or the museum curator has stated as such for their holdings. In few cases they include new dies, for example **Plate 91**, A6-P2i. The data is tabulated in Table 11.

Summary

The ancient coins of Tigranes the Great and other Armenian kings are very important sources for the study of Armenian history and art. These are the only documents which show the engraved effigy of rulers who lived more than two thousand years ago. For this reason, coins of the Artaxiad dynasty of Armenia, especially the silver coins of Tigranes II (95-56 B.C.), are monuments and sources for the study of Armenian history and art. The portraits, royal vestments, and the historical inscriptions which have reached us by means of metallic art all are essential primary sources for the study of this period.

Among the silver coins of Tigranes, his Antiochene tetradrachm is the most common and abundant, and also coveted by collectors. The various portraits, shapes of Armenian tiara, and monograms engraved on the reverses are an inexhaustible mine of information for numismatic study.

Titles inscribed in Greek language on the reverse of his coins, Tyche of Antioch seated on a rock, monograms and letters, similar to those of Seleucid coins, engraved on the rock and in the field, have awakened curiosity among historians.

Coins of Tigranes struck in Antioch represent almost 97% of all his silver tetradrachms and more than 81% of all his silver coins. Summarized metrological data of all silver coins of Tigranes II the Great are tabulated in Table 12.

Table 12. *Summarized metrological data of Tigranes II the Great silver coins**

Mint	*Anvil Dies*	*Punch Dies*	*Known Coins*	*Avg. Wt.*	*Mode Diameter*
Antioch Mint	67	518	790	15.52g	26mm
			5		DNT
Damascus Mint	4	6	6	14.48g	27 to 28mm
Satellite Mint of Damascus	4	8	10	15.86g	27 to 31mm
Sat. Mint of Dam. drachms	2	2	5	3.798g	19 to 21mm
Artaxata Mint	4	8	10	15.907g	30mm
Artaxata Mint drachms	42	96	147	3.82g	20mm
Fractional drachms	4	4	4	3.18g	NA
Total	127	642	977	NA	NA
Antioch type counterfeits	9	10	42	NA	
Artaxata drachm type c/f	3	4	5	NA	NA
Artaxata hemidrachm type c/f	1	1	1	NA	
Hemidrachm (cornucopia) c/f	1	1	1	NA	NA
Total c/f	14	16	49	NA	NA
Grand Total	141	658	1026	NA	NA

(* Tetradrachms, unless noted otherwise; DNT = Late additions, catalogued but data not tabulated)

Based on the portrait, tiara, and monograms, his Antiochene tetradrachms are classified into eleven groups. More than 68% of these coins belong to the first four groups. The average weight of his 731 Antiochene tetradrachm is 15.52 grams, the median weight is 15.66 grams, the mode value is 15.70 grams (averaging 15.57 grams for three top frequencies), and more than 91% of his coins have a weight spread of 14.90 to 16.09 grams. The most frequently used di-

ameter (mode) is 26 mm and about 89% have a diameter range of 25 to 28 mm. Most of the tetradrachms have a perfect (12 o'clock) die axis orientation and almost all of them have a die axis orientation from 11 to 1 o'clock.

His tetradrachms struck in Damascus are extremely rare. There are only six known examples. The Damascene tetradrachms have another advantage, they are dated according to the Seleucid era, in exergue below the swimmer, ΑΜΣ, ΒΜΣ, ΓΜΣ (S.E. 241, 242, 243) which corroborates the period when he ruled Damascus. The style of Damascus tetradrachms is coarse. The copper coins assigned to the mint of Damascus are undated.

Ten comet tetradrachms and five comet drachms of Tigranes are known. These are given to a satellite mint of Damascus.

There are ten known tetradrachms assigned to the mint of Artaxata. The drachms are more than 140. Both of these type coins are engraved in Greek language with "King of Kings Tigranes" title. The obverse and reverse workmanship and the design, without hesitation, remind us that they belong to the same die maker and the same school where the tetradrachms dies were cut. The reverses display the same type of lettering noticed on the Artaxata tetradrachms and lack the letters and monograms noticed on Antiochene tetradrachms. Most of these coins were unearthed in Armenia proper and published coin hoards attest to this.

Because of the paucity of Damascus and Satellite Mint of Damascus coins, and Artaxata tetradrachms, their metrological data was not tabulated.

The drachms struck in Artaxata have an average weight of 3.82 grams, the mode value is 4.00 grams and the median value is 3.96 grams; the most common diameter is 20 mm; and more than 57% have 12 o'clock die axis orientation.

The science of numismatics has made great advances during the past few decades. Most numismatists accept that the numismatic science, based on theory of probability, can estimate the number of original dies of ancient coins. Carter's method of calculating the dies seems to be accurate, reliable, and adequate.

Antioch only, according to Carter's method, coins catalogued in this study, have sufficient variety of anvil dies to represent most if not all known dies. The catalogued anvil dies are 67 and the estimated dies ranges from of 66 to 68. The catalogued punch dies are 518 and the estimated dies ranges from 1154 to 1260. This calculation demonstrates that insufficient coins have been catalogued to cover the entire spectrum of punch dies. For a given coin, there is an excellent chance of finding the obverse die in present catalogue. On the other hand, there will be a good chance of finding only one out of every two coin reverse dies catalogued herein.

The total corpus of counterfeit coins catalogued discovered 42 Antioch type tetradrachms, and Artaxata type 5 drachms and 1 hemidrachm; also, a cornucopia type hemidrachm. Only those counterfeits which are published and proven beyond doubt that they are forgeries are presented and catalogued herein.

ARTAVASDES II (56-34 B.C)

Portrait Art

The silver coins of Artavasdes II are the only documents which show the engraved effigy of this monarch who lived more than two thousand years ago. The portraits, royal vestments, and the historical inscriptions which have reached us by means of metallic art all are essential primary sources for the study of this period, similar to the coins of his father.

The portraits engraved on his tetradrachms (**Plate 92**, A1-P1a to A3-P3a) are much different from the those of the drachms (**Plates 93** and **94**, a1-p1a to a4-p9a). On tetradrachms he has an idealized portrait without emotions; on the drachms his features seem to be more humane and down to earth man. On all coins of Artavasdes, silver and copper (**Plate 94,** E overstruck Æ), he has the same characteristic erect and proud profile typical only to him; that is, no ear flaps, high neck with earring and rows of necklaces.

Since his coins are extremely rare (tetradrachms were unearthed only a few decades earlier and the paucity of his drachms), there are very few studies on his portrait.[49]

The Armenian Tiara

Based on his silver coins catalogued, his tiara engraved on tetradrachms is slightly different from those engraved on his drachms. On tetradrachms, the Armenian tiara is adorned with a square eight-rayed star flanked by floral designs. On his drachms, the Armenian tiara is adorned with an eight-rayed star and two eagles which are back to back with their heads turned and looking at each other. On both type coins, pyramid shaped edges are made of very highly pointed five peaks. As noted above, unlike the tiara of his father, a drape covers the neck without having draping covering his ear.

Monograms and Chronology

On all his silver coins there is the same monogram. According to Kh. A. Mousheghian, this monogram is a symbol of a city or a mint. It is composed of Greek letters P, T, Ξ, which probably would stand for ΑΡΤΑΞΑΤΑ, the Greek form of Artaxata (Artashat in Armenian), the capital city of Armenia.[50] It should be noted that the latter "A" appears four times in the name of the city, yet the monogram lacks letter "A."

Letters IZ, IH, ς, Z, according to Mousheghian, stand for his regnal years when the coins were struck (17, 18 and 6, 7). It is worth noting that twelve of his drachms have the ς letter, while just two of them have the letter Z. Obviously, one would ask what happened to the other regnal years, 1-5, 8-16, 19-22? Here the same problem exists as with the drachms of Tigranes II the Great.[51] Even if we accept the thesis that during the first years as a co-ruler he did not need to strike money inscribed with his name, how should we ex-

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[49] G. A. Tiratsian, "Armenian Portrait Art in the Coins of Tigranes II and Artavasdes II."

[50] Kh. A. Mousheghian, "The Tetradrachm of Artavasdes II."

[51] Y. T. Nercessian, "Silver Coins of Tigranes II of Armenia," pp. 43-108, pls. 1-10.

plain the years 8-16 and 19-22? Why are the drachms engraved with single digit years but tetradrachms in double digit years? At this time there are more questions then answers. It is still possible that the monograms may be an accounting system for issues or represent the mark of a mint master.

Stylistic and die Analysis

The tetradrachms are inscribed ΒΑΣΙΛΕΩΣ ΒΑΣΙΛΕΩΝ ΑΡΤΑΥΑΣΔΕΩ ΘΕΙΟΥ. This is the first time that on Artaxiad coins the king is called divine. On the drachms we have only ΒΑΣΙΛΕΩΣ ΒΑΣΙΛΕΩΝ ΑΡΤΑΥΑΣΔΟΥ.

The drachms are quite similar to the tetradrachms in many ways: the same profile of Artavasdes to right on both coins, the crowned charioteer (or the king) driving a quadriga to left, the same monogram in left field.

Table 13. *Relationship of drachm weight (grams) and field letters of Artavases II*

Field letters	ς	Z	Total
X>4.9			
4.00-9	2		2
3.90-9	1		1
3.80-9	3		3
3.70-9	3	1	4
3.60-9	1	1	2
3.50-9	1		1
3.40-9	1		1
X<3.4			
Total	12	2	14
Avg.	3.80	3.71	3.78

Metrology

Coins classified herein came from fixed price and auction catalogues, museum holdings, and private collections. Published literature available to us did not include all of the required metrological

data (weight, diameter, and die axis orientation). The weight is the only data which is available for all coins.

The average weight of three tetradrachms is 15.79 grams (16.11g, 16.40g, 14.85g), diameter about 30 mm (33 mm, 29 mm, 28 mm), two of the coins have 12 o'clock die axis orientation and the other, 1.

The average weight of 14 genuine drachms is 3.78 grams as given in Table 1, 20 mm diameter based on a few coins, 12 o'clock die orientation based on several coins.

Mints

During his first years Artavasdes ruled the country with his father since he was a co-ruler. Tigranes lost all his Seleucid mints. Furthermore, when Tigranocerta was occupied by Lucullus, most likely the local mint ceased to operate since the foreign or non-Armenian workers who were forcibly brought to Tigranocerta possibly left the country, and also now this newly built city was no longer the geographic center but located in a remote part of Armenia.

Artaxata continued and remained as an operational mint and very likely struck coins until the fall of the Artaxiad dynasty of Armenia. Mousheghian's attribution of the monogram ⸗ to Artaxata is an admission that the mint of the same name was still operational.

Counterfeits

The author has personally examined the first two pieces of three tetradrachms catalogued herein. Without doubt, all three pieces are authentic. However, when Bedoukian published his book on the Artaxiad coins in 1978, he wrote on the Erevan tetradrachm, "It is not impossible that this particular coin is a contemporary imitation. Artavasdes most likely issued tetradrachms, and one may hope that the discovery of other specimens will help clear up the situation."[52]

A few years thereafter, in 1982, Bank Leu auctioned a tetradrachm of Artavasdes. Bedoukian described this newly found coin in his paper in 1983. Again he expressed a similar opinion, "One might mention that the Erevan specimen in styling and appearance does

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[52] P. Z. Bedoukian, CAA, p., 25,

not entirely eliminate the possibility that it was a contemporary forgery."[53] In 1989, while on a visit to the Los Angeles area, Bedoukian and this author (for the second time) visited the gallery of Numismatic Fine Arts to examine the Artavasdes tetradrachm to be auctioned in June 1989.[54] David R. Sear, then one of the NFA researchers, brought out the Artavasdes tetradrachm for examinaion (**Plate 92**, A1-P1a). Bedoukian took some notes on the coin. Thereafter, he never wrote about Artavasdes tetradrachms except a few times in private correspondences where he discussed the piece being acquisitioned for the *Hunt Collection*. He called this piece the third tetradrachm.[55]

The silver piece (**Plate 94**, c/f A1-P1a) is presented as a counterfiet tetradrachm but its enormous size and heavy weight suggests something else. The weight (25.61g) is 62% heavier than a tetradrachm, and the diameter (40mm), 33% bigger. Furthermore, the reverse design depicted a drachm (compare with **Plate 93**, a1-p1a to a1-p5a and a2-p6a to a2-p7a). The obverse does not resemble any coin, it is a fantasy.[56]

Until now counterfeit drachms of Artavasdes II have surfaced only in Armenia. The first piece catalogued (**Plate 94**, c/f a1-p1a) is very good. It is so good that in 1964 Mousheghian published it as a genuine piece.[57] Until the correspondence of Ruben Vardanyan,[58] (Erevan Museum curator) even this author thought it to be a genuine piece. There are five more pieces in the Erevan Museum and most likely all of them are manufactured in Armenia. All five pieces

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[53] P. Z. Bedoukian, "Some Unpublished Coins of the Artaxiads of Armenia," SNS II, p. 73 and REA, p. 282.

[54] Numismatic Fine Arts International, Inc. *Auction XXII* (June 1, 1989), lot 337.

[55] P. Z. Bedoukian, private correspondence dated May 1, 1989, and August 14, 1989.

[56] According to the information provided by collector P. H., this coin is manufactured by silversmith Nazaraeth Kuiumdjian from a coin that was in the Hermitage Museum, Leningrad at one time. Could it be the drachm, Inv. 19417, in the Hermitage Museum, St. Petersburg?

[57] Kh. A. Mousheghian, "The Tetradrachm of Artavasdes II," second plate, drachm No, 4.

[58] Ruben Vardanayan, correspondences of November 10, 2002, published in ANJ, Series I, Vol. XXIX (March 2003), No. 1, p. 1 (in Armenian).

were struck with four dies. Definitely, four of them (c/f a2-p2a to c/f a2-p2d) have the same dies (**Plate 94**, c/f a2-p2c). All counterfeit silver drachms, except for the first, have weights above the average (15% to 65%), and are very poor imitations. In fact, they have very poor workmanship, the portrait and the tiara of Artavasdes are very crude representations.

ARTAXIAS II (34-20 B.C.)
TIGRANES III (20-8 B.C.)
ARTAVASDES IV (A.D. 4-6)

Portrait Art

Ancient Armenian coins are the only documents which show the engraved effigy of Armenian Artaxiad kings who lived more than two thousand years ago. Ancient coins are the only primary sources which display their portraits, royal vestments, ornaments which have reached us by means of metallic art similar to the coins of their predecessors, Tigranes II and Artavasdes II.

On the last drachm of Artaxias II (**Plates 94**, a2-p4a (X) and **95,** a2-p4a) the king has a very handsome and youthful portrait, very lightly bearded, has an earring which resembles a six-rayed star. And the king is not wearing necklaces.

The singular drachm of Tigranes III (**Plate 95**, a1-p1a) displays a youthful portrait, lightly bearded, if he has an earring it is covered with an ear flap.

The drachms of Artavasdes IV are Romanized coins (**Plate 96**). Bedoukian calls them "typically Roman silver coins." Since on one side there is the portrait laureate of Augustus, it is possible that Rome may have struck them to commemorate the crowning of Artavasdes IV as king of Armenia. These drachms display a clean

shaven youthful portrait. A similar portrait is depicted on his copper coin which was unearthed in Armenia[59] (**Plate 96-H**).

The Armenian Tiara

Based on Artaxias II's silver coins, his tiara peaks are higher than those of Artavasdes II. They are edged with pearls. Tiara is ornamented with an eight-rayed star which is in a trapezoidal box resembling Artavasdes II. There are no ear flaps and no necklaces. The diadem knotted at the back has two ribbons.

The high tiara of Tigranes III can be seen on his unique drachm, hemidrachms, and coppers. One of the characteristic feature of Tigranes III tiara is the height, perhaps the highest among all Artaxiad kings. His tiara is adorned with a very large eight-rayed star. These are the main features of his tiara on his silver and copper coins (**Plate 96-G**). If there are eagles at both sides of the star, they are not visible.

As noted above, the drachms of Artavasdes IV are Romanized coins and were executed according to the Roman custom, without the traditional Armenian tiara, but diademed. On the reverse we see the portrait of Augustus to right with a laureate head. The same style of minting is true for his coppers (**Plate 96- H**).

Monograms and Chronology

On all drachms of Artaxias II there is the same monogram, . Numismatists Ernest Babelon,[60] V. Renner,[61] and Paul Z. Bedoukian,[62] who have studied and discussed this monogram indicate that it is a symbol of the city of Artaxata and it is engraved on the Artaxata civic coins. The monogram can be broken down to Greek

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[59] Henry V. Sarkissian, "The Coins of Artavasdes IV, King of Armenians, A.D. 4-6," p. 186.

[60] Ernest Babelon, "Mélanges & Documents; Artaxisata," *Revue Numismatique*, New Series IV, Vol. XV (1911), pp. 459-461.

[61] V. Renner, "Eine bisher unbekannte griechische Münzstätte in Armenien," *Mitteilungen der Oesterreichis-chen Gesellschaft für Münz- und Medaillenkunde*, Vol. VIII (February 1912), No. 2, pp. 37-39.

[62] Paul Z. Bedoukian, *Roman Coins and Medallions Relating to Armenia*, pp. 191-192.

letters A, P, T, which probably would stand for ΑΡΤΑΞΑΤΑ, the Greek form of Artaxata (Artashat in Armenian), the capital city of Armenia. Similarly, letters ΙΔ in r. field, are engraved on all known silver drachms. Apparently, Artaxias considered the crowning year as the beginning of his regnal period. Some Armenian historians similar to H. Armen, V. Hovhannessian, and S. Simonian consider 34-20 B.C. as the regnal period of Artaxias II. It should be noted that in the entire Artaxiad dynasty of Armenia only Artavasdes II and Artaxias II, father and son, have complex but different monograms[63] for the city of Artaxata where their coins were struck.

Stylistic and Die Analysis

The silver drachms of Artaxias II are inscribed ΒΑΞΙΛΕΩΣ ΑΡΤΑΞΕΡΞΕΩ ΘΕΙΟΥ. His title "divine" is similar to what his father Artavasdes II had inscribed on his tetradrachms. Obviously, one would not expect Artaxias to call himself "King of Kings" when he could not defend his country and had to take refuge in Parthia. The reverses of his first three silver coins display helmeted Athena, carrying shield and spear. It is worthwhile to note that the profile of Nike on his fourth silver drachm (**Plates 94**, a2-p4a (X) and **95**, a2-p4a) is quite similar to the one engraved on early copper coins of his brother, Tigranes III (**Plate 95-F**). Bedoukian assigned these coppers to Artaxias II by the process of elimination. However, the name Tigranes is legible on a recently discovered well-preserved example.[64] Compare the outline of Nike on his last silver and copper coin.

The singular drachm reverse of Tigranes III depicts the figure of king standing to left, wearing a three-pointed very high tiara, apparently there was no room left for five peaks. His left hand rests on

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[63] Y. T. Nercessian, "Silver Coins of Artavasdes II of Armenia," *Armenian Numismatic Journal*, Series I, Vol. XXIX (March 2003), No. 1, pp. 3-11, pl. 1, especially the section on "Monograms and Chronology," p. 9.

[64] This copper coin could have been an early issue, struck soon after Tigranes III ascended the Artaxiad throne in 20 B.C. Frank L. Kovacs, "Additions and Corrections to *Armenian Coins and Their Values*," ANJ, Sries I, Vol. XXX (December 2004), pp. 83-86, pl. 5; Y. T. Nercessian, "Comments Concerning the 'Additions and Corrections to *Armenian Coins and Their Values*'," ANJ, Series II, Vol. 1 (March 2005), No. 1, pp. 21-24.

a tall spear and with right hand he holds an uncertain object pointed toward 10 o'clock. The vertical legend is inscribed in five lines and is the longest among all Artaxiad kings, ΒΑΣΙΛΕΩΣ / ΜΕΓΑΛΟΥ // ΤΙΓΡΑΝΟΥ / ΦΙΛΟΠΑΤΟΡΟΣ / ΚΑΙ ΦΙΛΕΛΛΗΝΟΣ. The hemidrachms, similar to his drachm and coppers, display his very high tiara but the coin is chipped and worn. The word [T]ΙΓΡΑΝΟΥ is legible on the left side of Nike.

Metrology

The average weight of Artaxias II four drachms is 3.36 grams (2.6g, 3.20g, 3.59g, 4.06g), and 22 mm diameter (20.8mm, 23mm, 22mm, 24), three of the coins have 12 o'clock die axis orientation and the other, 1:00.

The average weight of Artavasdes IV five drachms is 3.85 grams (3.53g, 3.50g, 5.1g, 3.58g, 3.54g) and four out of five have 20 mm diameter. The 12 o'clock die axis orientation is given only for the Erevan drachm.

Mints

The capital city of Artaxata was a mint during the reign of Tigranes II and Artavasdes II. One would surmise that it continued and remained as an operational mint and very likely struck coins till the end of the Artaxiad dynasty of Armenia. The engraving of the city of Artaxata monogram on the coin of Artaxias II in itself is an admission of this fact.

Armenia became a buffer state between Rome and Parthia. Still it was a large country but its power was reduced and economy declined. After Artavasdes II none of the kings issued silver tetradrachms and the existing silver drachms are extremely rare. The main currency was copper coinage which was issued in abundance and primarily for domestic circulation.

Counterfeits

As indicated earlier, some numismatists, based only on their studies, called Artaxias II drachms forgeries.[65]

According to reliable sources, the coins were found in a Parthian hoard. Because of the secrecy involved with newly discovered numismatic hoards, the exact provenance and the year of discovery of this Parthian hoard remain unknown. However, there are a few arguments in favor of authenticity.

There are four known drachms and each piece has a different grade of preservation. Following the traditional custom of coin dealers, the coin with the poorest preservation was sold first in Beirut. The other three were sold in the United States according to their poorest grade of preservation, the most attractive piece with the highest grade of preservation, being sold last. This insured a maximum profit.

Four coins were struck with two obverse and four reverse dies, a total of six different dies; each reverse has a different die. Furthermore, the monogram for the city of Artaxata is similar to the one appearing on the civic coins of the city of Artaxata. If the drachms were forgeries, why would they show a monogram engraved on the copper coins of the city of Artaxata but not the monogram for Artaxata mint engraved on the coins of Artavasdes II, his father? Would not that be more logical?

Since these coins were sold, no new Artaxias II drachm has surfaced on the market. The profit was so good on the last two drachms that definitely an alleged forger (?) would be tempted to manufacture more. A professional forger (a criminal) is greedy and would not be content with manufacturing a few pieces. For example, based on the information available, Carl William Becker[66] manufactured a few dozens of Tigranes II tetradrachms.[67]

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[65] A. Mousheghian, G. Depeyrot, *Hellenistic and Roman Armenian Coinage (1st C. B.C.- 1st C. A.D.*, p. 170; R. Vardanyan, "Counterfeit Silver Coin with the «ΑΡΤΑΞΕΡΞΕΩ ΘΕΙΟΥ»," *Patma-Banasirakan Handes* (1999), No. 1 (150), pp 321-326 (in Armenian with Russian summary).

[66] G. F. Hill, *Becker the Counterfeiter*, 72 + 39 pp., XIX pls.

[67] See the section on Tigranes II "Counterfeits," pp. 103-104 and 150-151.

ԱՐՏԱՇԷՍԵԱՆ ՀԱՐՍՏՈՒԹԵԱՆ ԴՐԱՄԱՀԱՏՈՒԹԻՒՆԸ
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[*Ամփոփում*]

ՏԻԳՐԱՆ Բ ՄԵԾ (95-56 Ն.Ք.)

Տիգրան Մեծի և երկու հազար տարի առաջ իշխած հայ արքաներուն նկարները մեզի հասած են միայն իրենց դրամներուն շնորհիւ։ Արտաշէսեան հարստութեան դրամները, մասնաւորաբար Տիգրան Մեծի արծաթեայ դրամները յուշարձաններ և աղբիւրներ են հայ ժողովուրդի պատմութեան և մշակոյթի արուեստին համար։ Դրամներուն վրայ քանդակուած դիմանկարը, արքայական ծիրանին, դրամահատութեան ոճը, պատմական տուեալներու դրուագումը՝ հին ժամանակաշրջանէն մեզի հասած է մետաղագործութեան գեղարուեստին միջոցաւ, թէև ենթարկուած յունական մշակոյթի ազդեցութեան։

Տիգրանի Անտիոք կտրուած դրամները իր բոլոր չորեքդրամեաններուն գրեթէ 97 առ հարիւրն են և իր բոլոր արծաթեայ դրամներուն՝ 81 առ հարիւրը։ Տիգրանի դրամներու շարքին, Անտիոքեան չորեքդրամեանը իր ամենէն հասարակ ու հաւաքորդներէն սիրուած դրամն է։ Ասոնց վրայ քանդակուած այլազան դիմանկարներն ու խոյրի զանազան պատկերատիպերը և ետին քանդակուած մենագիրներու հոյլը անսպառ հանք մըն են հայ դրամագիտական ուսումնասիրութեան համար։

Պատմաբաններուն համար՝ իր դրամներու ետին կերտուած յունատառ տիտղոսները, Անտիոքի Բախտի արձանին պատկերը, ժայռին վրայ ու դաշտին մէջ քանդակուած տառերն ու մենագիրները, նման սելևկեան դրամներուն վրայ երևցածներուն, անսպառ հետաքրքրութիւն յառաջ բերած են։

Հիմնուած դրամներու պատկերատիպին ու ետին արձանագրուած մենագիրներուն վրայ, իր Անտիոքեան չորեքդրամեանները դասաւորուեցան տասնմէկ տարբեր խումբերու։ Ասոնց 68 առ հարիւրէն աւելին կը պատկանին առաջին չորս խումբերուն։ Անտիոքեան չո-

րեքդրամեաններուն միջին կշիռն է 15.52 գրամ, ամենէն հասարակ տրամագիծը՝ 26 մմ, և մեծամասնութիւնը ունի լրիւ ուղղահայեաց առանցքային ուղղութիւն։ Դրամներու աւելի քան 91 առ հարիւրը ունին 14.90-16.09 գրամ կշռի տարածում և գրեթէ 89 առ հարիւրը՝ 25-28 մմ տրամագիծ, մեծամասնութիւնը ունի ժամը 11-1 առանցքային ուղղութիւն։

Իր Դամասկոս հատանուած չորեքդրամեանները խիստ հազուագիւտ են։ Ծանօթ են ընդամէնը վեց օրինակներ։ Դամասկեան չորեքդրամեանները ունին նաև այլ առաւելութիւն մը՝ թուագրուած են ըստ սելևկեան տոմարակալութեան, ունենալով 312 Ն.Ք. իբրև թուագրութեան սկիզբը։ Դամասկոսի չորեքդրամեաններուն վրայի թուականները (ΑΜΣ=312-241=72-71 Ն.Ք., ΒΜΣ=71-70 Ն.Ք., ΓΜΣ=70-69 Ն.Ք.) կը համապատասխանեն այն շրջանին երբ ինք գրաւեց ու իշխեց Դամասկոսի վրայ (72-69 Ն.Ք.)։

Տիգրան ունի նաև տասը հատ ասուպով չորեքդրամեաններ և հինգ հատ ասուպով դրախմաներ, որոնք տրուած են Դամասկոսի արբանեակ դրամահատարանի մը։

Արտաշատ հատանուած չորեքդրամեաններէն ընդամէնը տասը օրինակ ծանօթ է մեզի. դրախմաները՝ 140-է աւելի են։ Երկուքն ալ քանդակուած են իր յունատառ «Արքայից արքայ Տիգրանի» տիտղոսով։ Երկուքին ալ կերտուածքին ու պատկերատիպերուն մանրամասնութիւնները անկասկած կը պատկանին նոյն դրամահատարանի նոյն գլխաւոր քանդակագործին։ Երևան բերուած ու հրատարակուած դրամագիւտերն ալ կը վկայեն, թէ այս վերջինները մեծամասնութեամբ յայտնաբերուած են Հայաստանի մէջ։

Արտաշատի չորեքդրամեաններուն, ինչպէս նաև Դամասկոս և Դամասկոսի արբանեակ դրամահատարանը կտրուած արծաթեայ դրամներուն չափազանց սակաւաթիւ ըլլալուն պատճառով, չափագիտական տուեալները աղիւսակաձև չեն ներկայացուած։

Արտաշատ հատանուած դրախմաները միջին կշռի համար ունին 3.82 գրամ ծանրութիւն, ամենէն հասարակ տրամագիծն է 20 մմ, նաև դրախմաներուն աւելի քան 57 առ հարիւրը ունին կատարեալ առանցքային ուղղութիւն (ժամը 12)։

Դրամագիտական գիտութիւնը մեծ յառաջդիմութիւն արձանագրած է և կարելի է բաւարար վստահութեամբ մօտաւոր կերպով հաշուել հին դրամներուն լրիւ քանդակուած կաղապարները։ Հիմնուած

Քարթլրի առաջադրած տեսակէտին վրայ, կարելի է եզրակացնել, թէ այս ուսումնասիրութեան մէջ ցուցակագրուած Անտիոքեան չորեքդրամեաններուն համար երեսներուն կաղապարներ շատ մօտ են իրենց նախնական քանակին։ Իսկ դրամներուն կռնակներուն համար պատկերը տարբեր է։ Հաշուարկումները ցոյց կու տան, թէ շատ աւելի նմոյշներ անհրաժեշտ էին ցուցակագրելու դրամներուն կռնակներուն լրիւ կաղապարները։ Բայց քանի որ բաւարար դրամներու տուեալներ չեն վերագտնուած այս ուսումնասիրութեան մէջ ցուցակագրութեան համար, երբեք կարելի պիտի չըլլայ որոշել, թէ նման եզրակացութիւն մը արդիւնք է դրամներու սակաւաթիւ օրինակներու փրկուելուն, թէ միայն անբաւարար օրինակներու ուսումնասիրութեան։ Այլ խօսքով՝ հաւաքորդ մը կամ ալ թանգարանի վարիչ մը, շատ հաւանաբար, իրենց դրամներու երեսներուն գրեթէ բոլոր կաղապարները պիտի կրնան գտնել այս ուսումնասիրութեան մէջ։ Սակայն կռնակներուն կաղապարները համակարգը շատ հեռու է լրիւ ըլլալէ. թերևս կարելի պիտի ըլլայ աւելի քան յիսուն առ հարիւր դրամներուն կաղապարները գտնել ընծայուած ցուցակագրութեան մէջ։

Ուսումնասիրուած դրամներուն ընդհանուր շարքը յայտնաբերած է նաև 42 Անտիոք հատանուած չորեքդրամեաններու և 2 հատ Արտաշատ կտրուած դրախմայի կեղծիքներ, ինչպէս նաև Արտաշատի դրախմայի տիպով կիսադրամ մը։ Վերջերս, ամաթեղջիւրի պատկերատիպով չինծու կիսադրամ մըն ալ յայտնաբերուեցաւ։ Հոս ներկայացուած բոլոր կեղծ դրամները նախապէս քննարկուած, գիտականօրէն փաստուած ու հրատարակուած են իբրև ոչ հարազատ դրամներ։

ԱՐՏԱՒԱԶԴ Բ (56-34 Ն.Ք.)

Արտաւազդ Բ-ի արծաթեայ դրամները, իր հօրը՝ Տիգրան Մեծի դրամներուն նման, յուշարձաններ և աղբիւրներ են հայ ժողովուրդի պատմութեան և մշակոյթի արուեստին համար։ Դրամներուն վրայ քանդակուած դիմանկարը, մանեակներու շարքերը, արքայական ծիրանին, դրամահատութեան ոճը, պատմական տուեալներու դրուագումը՝ հին ժամանակաշրջանէն մեզի հասած է մետաղագործութեան գեղարուեստին միջոցաւ, թէև ենթարկուած յունական մշակոյթի ազդեցութեան։

Արտաւազդ թագաւորի արծաթեայ դրամները չափազանց հազուագիւտ են։ Իր բոլոր դրամները, արծաթեայ ու պղնձեայ, չեն պատկերացներ դրամահատութիւնը այն արքային, որ բազմած է Արտաշէսեան հարստութեան գահին վրայ երկու տասնամեակէ աւելի։ Արտաւազդէն մեզի ծանօթ է միայն երեք չորեքդրամեան։ Նոյն իսկ այս երեք կտոր դրամներու վրայ քանդակուած դիմանկարներն ու խոյրի պատկերատիպերը և ետին քանդակուած քառաձի մարտակառքը, յունատառ «Արքայից արքայ Արտաւազդի աստուածային» տիտղոսը, մենագիրն ու տառերը հանք մըն են դրամագիտական ուսումնասիրութեան համար։

Արտաւազդի բոլոր արծաթեայ դրամներուն ետին ակներև է մենագիրը։ Դրամագէտներու եզրակացութիւնն է, որ այս բաղադրեալ մենագիրը կը ներկայացնէ Արտաշատ դրամահատարանի անունը արձանագրուած յունարէնով՝ ΑΡΤΑΞΑΤΑ։

Հիմնուած դրամներու ետին արձանագրուած տառերուն վրայ, իր չորեքդրամեանները դասաւորուեցան երկու տարբեր խումբերու, նմանապէս՝ դրախմաները։ Չորեքդրամեանները ունին երկու տարբեր տարեթիւեր՝ IZ և IH (17 և 18), իսկ դրախմաները՝ Ϛ և Z (6 և 7)։ Ուշադրութեան արժանի է յիշել, որ Արաւազդի չորեքդրամեանները ունին զոյգ տառեր, մինչդեռ դրախմաները՝ մէկական։ Մեզի ծանօթ բոլոր դրախմաներուն տասնմէկը կը պատկանին առաջին տեսակին։ Չենք կարող բացատրել թէ ինչո՞ւ իր դրամները չունին 1-5, 8-16 և 19-22 տարեթիւ արձանագրութիւնները։ Եթէ նոյն իսկ ընդունելի է այն վարկածը, թէ իր առաջին տարիներուն իբրև հօրը գահակից պէտք չունէր դրամ հատանելու իր անունով արձանագրուած, բայց ինչպէ՞ս բացատրել 8-6 և 19-22 տարեթիւերը։

Արտաւազդի դրախմաներուն միջին կիրն է 3.7843 գրամ։ Իսկ տրամագիծերու և առանցքային ուղղութեանց համար շատ քիչ տուեալներ ունինք։

ԱՐՏԱՇԷՍ Բ (34-20 Ն.Ք.)

Արտաշէս Բ-ի, Տիգրան Գ-ի և Արտաւազդ Դ-ի արծաթեայ դրախմաները չափազանց հազուագիւտ են։ Իսկ Արտաշէս Բ-ի և Տիգրան Գ-ի քաղկոսները հազուագիւտ են, Արտաւազդ Դ-ի պղնձեայ դրամը

աւելի հազուագիւտ է քան թէ իր դրախման։ Այս պատճառով ալ անցեալին մէջ հազուադէպօրէն ուսումնասիրուած են իրենց դրամները։ Դրախմաներուն վրայ քանդակուած դիմանկարները, արքայական խոյրը, դրամահատութիւնը, մետաղագործութիւնը մեզի հասած հազուագիւտ պատմական աղբիւրներ են հայ ժողովուրդի պատմութեան և մշակոյթի արուեստին համար։

Արտաշէս Բ-ի արծաթեայ նորայատ չորս դրախմաներու երեսին վրայ պատկերուած է արքայի կիսանդրին դէպի աջ։ Առաջին երեքին ետին դրուագուած է դէպի ձախ, սաղաւարտակիր Աթենասը բռնած նիզակ մը։ Չորրորդ դրախմային ետին դրուագուած է դէպի աջ, Յաղթանակը բռնած արմաւենիի ճիւղ մը։ Յաղթանակի ուրուագիծն ու խորագրութեան շրջանակաձև ըլլալը նման են իր եղբօր՝ Տիգրան Գ-ի պղնձեայ դրամին վրայ դրոշմուածին։ Արտաշէսի չորս դրախմաներու ետին դրոշմուած է փակագիր մը ( ) և յունատառ ΙΔ (14?)։

Հայ պատմաբաններէն Հրանդ Ք. Արմէն Արտաշէս Բ-ի գահակալութեան ժամանակաշրջանը կը սահմանէ 34-20 Ն.Ք., այսինքն սկսեալ իր թագադրութեան թուականէն։ Ըստ երևոյթին Արտաշէս ալ նոյնը կը համարէ և յայտնաբերուած դրախմաներու արձանագրութիւնն ալ նոյն վարկածին զօրաւիգ կը կանգնի։

Իր փակագիրն ալ կը նշմարուի Արտաշատի քաղաքային պղնձեայ դրամներուն վրայ։ Հետաքրքրական է որ հայր ու որդի Արտաշատ դրամահատարանի համար գործածեցին բաղադրեալ բայց երկու տարբեր փակագիրներ իրենց դրամներուն վրայ։

Բոլոր դրախմաները զարնուած են երեսի համար երկու և կռնակի համար չորս տարբեր կաղապարներով։ Չորրորդ արծաթի որակին պատճառով, որու երեսին վրայ յստակօրէն պատկերուած է Արտաշէս արքային դիմանկարը, վստահօրէն նոր դիմանկարային ուսումնասիրութիւններու պիտի ծառայէ։

Արտաշէս Բ-ի դրախմաներուն միջին չափագիտական տուեալներն են 3.36 գրամ, 22 մմ տրամագիծ, ժամը 12 առանցքային ուղղութիւն։

ՏԻԳՐԱՆ Գ (20-8 Ն.Ք.)

Տիգրան Գ-ի եզակի դրախման դրամագէտներու կողմէ քանիցս նկարագրուած է անցեալին։ Իր դրամներու ամենէն ուշագրաւ կէտն է

շատ բարձր հայկական խոյրը ու խոշոր աստղը։ Իր մասամբ կոտրըուած կէս դրախմային վրայի խոյրը ունի նոյն յատկանիշը՝ շատ բարձրը խոյր։ Նոյն խոյրի ձևը միշտ կարելի է նշմարել զանազան պատկերատիպերով դրոշմուած իր պղնձեայ դրամներուն վրայ։

ԱՐՏԱՒԱԶԴ Դ (4-6 Ց.Ք.)

Արտաւազդ Դ-ի դրախմաներուն երեսին վրան պատկերուած է հայոց արքան, իսկ ետին՝ Հռոմի Օգոստոս կայսրը։ Մեզի ծանօթ են հինգ օրինակներ, զարնուած՝ երեսի համար երեք և կռնակի համար երեք տարբեր կաղապարներով։ Նախապէս չորս արծաթեայ դրախմաներն ու նորայայտ պղնձեայ դրամ մը ուսումնասիրուած էին ՀՊԹ-ի դրամագէտ Հենրի Սարգսեանի կողմէ։ Պղինձն ալ ունի արծաթներու պատկերատիպերը, թէև Օգոստոս կայսրը պատկերուած է հակառակ ուղղութեամբ։

Արտաւազդ արքայի դրախմաներուն չափագիտական միջին տուեալներն են 3.85 գրամ, 20 մմ տրամագիծ, ժամը 12 առանցքային ուղղութիւնը միայն տրուած է ՀՊԹ օրինակին համար։

ԱՐՏԱՇԷՍ Գ (Ց.Ք. 18-34)

Արտաշէս Գ արքայէն, միայն իր անունով հատանուած, արծաթ կամ պղինձ դրամ մեզի չէ հասած։ Գոյութիւն ունին Հռոմի Գերմանիկոս կայսեր թողարկած արծաթեայ երկդրախմաներն ու դրախմաները։ Այս յուշադրամները, իրենց պատմական դրուագումին պատճառով, թէև նուիրական են հայոց համար, սակայն հռոմէական դրամներ են։ Դրամը առանց վարանումի ցոյց կու տայ, թէ Հայաստան Հռոմի ենթակայ է։ Այս զոյգ դրամները հոս ներկայացուած են Արտաշէսեան հարստութեան վերջաբանին համար։ Երեսին պատկերուած է Գերմանիկոսի գլուխը դէպի աջ, իսկ ետին՝ պատկերուած է Արտաշէս Գ-ի թագադրուիլը Գերմանիկոսի կողմէ։ Երկդրախմաները առհասարակ ունին 7.50 գրամի շուրջ կշիռ, դրախմաները՝ 3.14 գրամի շուրջ։ Երկուքն ալ հազուագիւտ դրամներ են։

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KEY TO PLATES

Tigranes II the Great (95-56 B.C.)
Antioch Mint

Pl.	A-P No.	Grp.-Ltr.	Pl.	A-P No.	Grp.-Ltr.
1	A1-P1a	1-$\boxed{\Delta}$, $\mathring{A}$	4	A1-P37b	1-$\boxed{\Delta}$, $\mathring{A}$
	A1-P2a	»	5	A2-P38a	»
	A1-P3a	»		A2-P39a	»
	A1-P5a	»		A2-P40a	»
	A1-P7c	»		A2-P42a(X)	»
	A1-P8a	»		A2-P42a	»
	A1-P9a	»	6	A2-P43a	»
2	A1-P11a	»		A2-P44a	»
	A1-P12a	»		A2-P46d	»
	A1-P13b	»		A2-P47a	»
	A1-P14a	»		A2-P48a	»
	A1-P15c(X)	»		A2-P50a	»
3	A1-P15c	»		A2-P51a	»
	A1-P16a	»	7	A2-P52b	»
	A1-P17a	»		A2-P54c	»
	A1-P19a	»		A2-P55a	»
	A1-P23a	»		A2-P56a	»
	A1-P24a	»		A2-P59c	»
	A1-P25a	»		A2-P60a	»
4	A1-P27a	»		A2-P64a	»
	A1-P31a	»	8	A3-P65a(X)	»
	A1-P32a	»		A3-P65a	»
	A1-P33a	»		A3-P65e	»
	A1-P35a	»		A4-P66a	»
	A1-P36a	»		A4-P67a	»

Tigranes II, Antioch Mint

Pl.	A-P No.	Grp.-Ltr.	Pl.	A-P No.	Grp.-Ltr.
9	A4-P70a	1- [illegible], [illegible]	14	A11-P111a	1- [illegible], [illegible]
	A4-P72a	»		A12-P112a	»
	A5-P74a	»		A13-P113a	»
	A5-P75a	»	15	A14-P114a	»
	A6-P76a	»		A14-P115a	»
	A6-P77a	»		A14-P115b	»
	A6-P78a	»		A14-P116a	»
10	A6-P82a	»		A14-P117a	»
	A7-P84d	»		A14-P118b	»
	A7-P86a(X)	»		A14-P119a	»
	A7-P86a	»	16	A15-P1a	2- [illegible], o or ⊖
	A7-P87a	»		A15-P1b	»
11	A7-P88a	»		A15-P1c(X)	»
	A7-P89a	»		A15-P1c	»
	A7-P90a	»		A16-P1e	»
	A8-P91a	»	17	A17-P3a	»
	A8-P92a	»		A17-P4c	»
	A10-P94a	»		A17-P5a	»
	A10-P96a	»		A17-P6a	»
12	A10-P97a	»		A17-P7a	»
	A10-P98a	»		A17-P8a	»
	A10-P99a	»		A17-P9a	»
	A10-P101a	»	18	A17-P10a	»
	A10-P103a(X)	»		A17-P15a	»
13	A10-P103a	»		A17-P17a	»
	A10-P103c	»		A17-P18a	»
	A10-P104c	»		A19-P22a(X)	»
	A10-P105a	»	19	A19-P21a	»
	A10-P107b	»		A19-P22a	»
	A10-P107c	»		A19-P23a	»
	A10-P109a	»		A19-P24a	»
14	A11-P110a	»		A19-P25b	»
	A11-P111a(X)	»		A19-P26a	»

Tigranes II, Antioch Mint

Pl.	A-P No.	Grp.-Ltr.	Pl.	A-P No.	Grp.-Ltr.
19	A19-P27a	2- Δ , o or ⊖	25	A22-P64a	2- Δ , o or ⊖
20	A19-P29a	»		A22-P65a	»
	A19-P31a	»		A23-P66a	»
	A19-P33a	»		A24-P67a	»
	A20-P34a	»	26	A24-P68a	»
	A20-P35a	»		A25-P70a	»
	A21-P36a	»		A25-P71a	»
	A21-P37a	»		A26-P72a	»
21	A21-P38b	»		A26-P73a	»
	A21-P39b	»		A26-P74b	»
	A21-P41a	»		A26-P76a	»
	A21-P41d	»	27	A26-P77a	»
	A21-P42a(X)	»		A26-P78a	»
22	A21-P42a	»		A27-P79a	»
	A21-P42b	»		A28-P80a	»
	A21-P43a	»		A28-P84a(X)	»
	A21-P44a	»	28	A28-P81a	»
	A22-P47d(X)	»		A28-P82a	»
23	A21-P45a	»		A28-P84a	»
	A22-P47d	»		A29-P85a	»
	A22-P48a	»		A29-P86a	»
	A22-P49b	»		A30-P86c	»
	A22-P52a(X)	»		A31-P87a	»
24	A22-P51a	»	29	A31-P88a(X)	»
	A22-P52a	- Ā , ⊖		A31-P88a	»
	A22-P53a	»		A32-P1a	3- ⸸, Φ
	A22-P54a	»		A32-P2b	»
	A22-P56a	- Δ , o or ⊖		A32-P3a	»
	A22-P57b	»	30	A32-P3c	»
	A22-P57c	»		A32-P4a	»
25	A22-P59a	»		A32-P5b	»
	A22-P62a	»		A32-P7a	»
	A22-P63a	»		A32-P8a	»

Tigranes II, Antioch Mint

Pl.	A-P No.	Grp.-Ltr.	Pl.	A-P No.	Grp.-Ltr.
30	A32-P9b	3- ⸸, ⸸	36	A34-P60a	3- ⸸, ⸸
	A32-P9c	»		A34-P64a	»
31	A32-P11a	»		A34-P66a	»
	A32-P12a	»		A34-P66c(X)	»
	A32-P13a	»		A34-P66c	»
	A32-P16a	»	37	A34-P67a	»
	A32-P18b	»		A34-P68a	»
	A32-P19a	»		A34-P69a	»
	A32-P20a	»		A35-P70a(X)	»
32	A32-P21a	»		A35-P70a	»
	A32-P22a	»	38	A35-P70c	»
	A32-P23a	»		A36-P73b	»
	A33-P27a(X)	»		A37-P75a	»
	A33-P27a	»		A38-P76b	»
33	A33-P28a	»		A39-P77a	»
	A33-P31a	»		A39-P78a	»
	A33-P31c	»		A39-P81a	»
	A33-P32a	»	39	A39-P81b	»
	A33-P33b	»		A39-P82a	»
	A33-P35c	»		A39-P83a	»
	A33-P36a	»		A39-P84b	»
34	A33-P38a	»		A39-P85a	»
	A33-P40a	»		A39-P86a	»
	A33-P41a	»		A39-P87a	»
	A34-P42a	»	40	A39-P88a	»
	A34-P45a	»		A39-P88b	»
	A34-P45d	»		A39-P89b	»
	A34-P51a	»		A39-P90a	»
35	A34-P52a(X)	»		A39-P91a	»
	A34-P52a	»		A39-P92a	»
	A34-P52b	»		A39-P93a	»
	A34-P57a	»	41	A39-P93c	»
	A34-P59a	»		A39-P95b(X)	»

Tigranes II, Antioch Mint

Pl.	A-P No.	Grp.-Ltr.	Pl.	A-P No.	Grp.-Ltr.
41	A39-P95b	3- ⊥, Φ	46	A42-P132b	4- ⊥, ⦶
	A39-P96a	»		A42-P133a	- ⊥, ϕ
	A39-P98a	»		A42-P134a	- ⊥, ⦶
42	A40-P100a	»	47	A42-P135a(X)	»
	A40-P100b	»		A42-P135a	»
	A41-P101c	»		A42-P136a	»
	A41-P102a	»		A42-P139a	»
	A41-P102b	»		A43-P140a	»
	A41-P103b	»	48	A43-P141c	»
	A41-P104a	»		A43-P142a	»
43	A41-P105a	»		A43-P143a(X)	- ⊥, ϕ
	A41-P106a	»		A43-P143a	»
	A41-P111a	»		A43-P143c	»
	A41-P111b	»	49	A45-P148a	- ⊥, ⦶
	A41-P114a(X)	»		A45-P149a(X)	- ⊥, ϕ
44	A41-P113a	»		A45-P149a	»
	A41-P114a	»		A45-P150a	- ⊥, ⦶
	A41-P115b	»		A45-P151a	»
	A41-P116c	»	50	A46-P1a	5- ⊥
	A41-P117a	»		A47-P1a	6- T
	A41-P120a	»		A47-P3a	»
	A41-P120b	»		A48-P4a	- ⊤
45	A41-P121a	»		A48-P6a	»
	A41-P122b	»		A48-P7c	»
	A41-P123a	»		A48-P7f	»
	A41-P125a	»	51	A48-P8a	»
	A41-P128a	»		A48-P9b	»
	A41-P128b	»		A48-P10b	»
	A41-P129a	» - ⊥, ⋔		A48-P10d	»
46	A41-P130a	4- ⊥, (.)		A48-P11a	»
	A41-P130b	»		A48-P12d	»
	A42-P131a	- ⊥, ϕ		A48-P12i	»
	A42-P132a	- ⊥, ⦶			

Tigranes II, Antioch Mint

Pl.	A-P No.	Grp.-Ltr.	Pl.	A-P No.	Grp.-Ltr.
52	A48-P13b	6- ⊤	57	A53-P17a(X)	7- [illegible] , Ⓨ
	A48-P13d	»	58	A53-P16a	- Σ̊ , Ⓨ
	A48-P14a	»		A53-P17a	[illegible] , Ⓨ
	A48-P15a	»		A53-P17b	- Σ̊ , Ⓨ
	A48-P17a(X)	»		A53-P18a	- Σ̊
53	A48-P15b	»		A53-P19a	- Σ̊ , Ⓨ
	A48-P16b	»		A54-P20a	- Σ̊
	A48-P17a	»		A55-P23a	»
	A48-P18a	»	59	A55-P25a	- Σ̊ , Ⓨ
	A48-P18b	»		A55-P27a	»
	A48-P19a	»		A55-P29a	»
	A48-P20a	»		A55-P30a	- [illegible] , Ⓨ
54	A48-P21b	»		A55-P35a(X)	- Σ̊ , Ⓨ
	A48-P21c	»	60	A55-P31a	»
	A48-P22a	»		A55-P32a	- Σ̊
	A48-P23a	»		A55-P33a	- [illegible] , Ⓨ
	A48-P24g(X)	- ∇		A55-P35a	- Σ̊
55	A48-P24d	»		A56-P38a(X)	- M, ⊖
	A48-P24f	»	61	A55-P36a	- Σ̊
	A48-P24g	»		A56-P38a	»
	A49-P1a	7- Σ̊		A57-P39a	»
	A49-P1b	»		A57-P40a	»
	A49-P2a	»		A57-P41a	»
	A49-P4a	»		A57-P42a	»
56	A49-P6a	»		A57-P43b	»
	A49-P7a	»	62	A57-P45a	»
	A49-P9a(X)	»		A57-P47a	»
	A49-P9a	»		A57-P49a	»
	A49-P10a	»		A57-P49e(X)	»
57	A50-P11a	»		A57-P49e	»
	A50-P12a	»	63	A57-P50a	»
	A52-P14a	Σ̊, Ⓨ		A57-P50.1a	»
	A53-P15a	- Σ̊		A57-P51b	»

Tigranes II, Antioch Mint

Pl.	A-P No.	Grp.-Ltr.	Pl.	A-P No.	Grp.-Ltr.
63	A57-P52a	7- Σ̊	68	A61-P93a	8- Σ̊,(.), ↑
	A57-P55a	»		A61-P96a	»
	A57-P57a	»	69	A61-P98a	- Σ̊, ↑
	A57-P58a	»		A61-P99a	»
64	A57-P61a	»		A61-P101a	-Σ̊,Ⓜ,(.), ↑
	A57-P62a	»		A61-P102a	»
	A57-P63a	»		A61-P103a	»
	A57-P63b	»		A61-P105a	»
	A58-P69a(X)	»		A61-P106a	»
65	A57-P64a	»	70	A62-P1a	9- M
	A58-P66a	»		A63-P1a	10- AM,A
	A58-P69a	»		A63-P1c(X)	»
	A58-P74a	»		A63-P1c	»
	A58-P75a	- Σ̊,(.)		A63-P1g	»
	A58-P76a	8- Σ̊, ↑	71	A63-P2a	»
	A58-P77a	»		A63-P3c	A
66	A58-P78c	»		A63-P3d	»
	A59-P79a	»		A63-P4a	»
	A60-P79b(X)	»		A63-P4d	»
	A60-P79b	»		A63-P5a	»
	A60-P81a	»		A63-P5b	»
67	A60-P81b	»	72	A64-P6a(X)	»
	A60-P83a	»		A64-P6a	»
	A60-P83b	»		A64-P7c	»
	A60-P84a	»		A64-P7d	»
	A60-P84b	»		A64-P8a	»
	A60-P84c	»	73	A65-P1a(X)	11- Δ,M,H
	A60-P85a	»		A65-P1a	»
68	A60-P85b	»		A65-P3a	»
	A60-P86a	- Σ̊,(.), ↑		A65-P4a	»
	A60-P88a	»		A65-P6a	»
	A61-P90a	»	74	A65-P6.1a	- *,Δ,M,H
	A61-P92a	»		A65-P7a	»

Tigranes II, Antioch Mint

Pl.	A-P No.	Grp.-Ltr.	Pl.	A-P No.	Grp.-Ltr.
74	A65-P8b	11-*,Δ,M,H	75	A65-P13a	11-*,Δ,M,H
	A65-P9a	»		A65-P15a	»
	A65-P10a	»		A66-P17a(X)	- ϕ/υ,Δ,M,H
	A65-P11a	»		A66-P17a	»
	A65-P12b	»		A67-P18a	»

Tigranes II, Damascus Mint

Pl.	A-P No.	Grp.-Ltr.	Pl.	A-P No.	Grp.-Ltr.
76	A1-P1a	[illegible] , AMΣ	76	A3-P1a	[illegible] , ΓMΣ
	A2-P1a	[illegible] , BMΣ	77	A4-P1a	[illegible]
	A2-P2a(X)	»		A4-P2a	»
	A2-P2a	»			

Tigranes II, Satellite Mint of Damascus (Coins with Comet)

Pl.	A-P No.	Grp.-Ltr.	Pl.	A-P No.	Grp.-Ltr.
77	A1-P1a	1- ΣΩ	78	A4-P3b	3- H,Δ
	A1-P2a	»		A4-P4a	»
	A3-P3a(X)	»	79	a1-p1a(X)	1- ∩
78	A2-P2b	»		a1-p1a	»
	A3-P3a	»		a1-p1b	»
	A3-P4a	»		a1-p1c	»
	A4-P1a	2- Π,ΔHMO		a1-p1d	»
	A4-P2a	»		a2-p1a	2- M

Tigranes II, Artaxata Mint (Tetradrachms)

Pl.	A-P No.	Grp.-Ltr.	Pl.	A-P No.	Grp.-Ltr.
79	A2-P1a (X)	1- ZΛ,A,ΞK	80	A3-P2a	1- HΛ,ΞK
80	A2-P1a	»		A3-P2b	»
	A2-P2a	2- ZΛ,Δ,ΞK		A3-P3a	»
	A2-P3a	3- ZΛ,ΞK	81	A3-P3b	»
	A3-P1a	1- HΛ,ΞK		A4-P1a	1- ΘΛ

Tigranes II, Artaxata Mint (Drachms)

Pl.	a-p No.	Grp.-Ltr.	Pl.	a-p No.	Grp.-Ltr.
81	a1-p1a	1- CΛ,–,ΞC	83	a9-p27a	7- EΛ,H,–
	a2-p1a	1- ΔΛ,Λ,ΞK		a11-p30a	8- EΛ,Θ,ΞK
	a3-p1a	1- EΛ,A,ΞK		a11-p31b (X)	- EΛ,Θ,–
	a3-p3a	1- EΛ,A,ΞC	84	a11-p31b	»
	a3-p3b	»		a12-p32a	9- EΛ,I,ΞC
	a4-p5a (X)	»		a12-p32b	»
	a4-p5a	»		a18-p43a	11-EΛ,Λ,ΞC
82	a3-p3c	»		a19-p1a	1- ϛΛ,B,ΞK
	a6-p6a	1- EΛ,–,–		a20-p3a(X)	2- ϛΛ,Γ,ΞK
	a7-p7a	2- EΛ,B,ΞK		a20-p3a	»
	a7-p8a	»		a20-p3b	»
	a8-p10a	3- EΛ,Δ,–		a21-p5a	»
	a8-p11a(X)	»		a21-p7c	»
	a8-p11a	»	85	a22-p8b	3- ϛΛ,Δ,ΞK
	a9-p14a	4- EΛ,E,–		a22-p9a(X)	»
	a9-p16a	»		a22-p9a	»
	a9-p17a	5- EΛ,ϛ,–		a23-p10a	»
83	a9-p20a	»		a23-p11a	- ϛΛ,Δ,–
	a9-p20a(X)	»		a24-p12a	4- ϛΛ,E,ΞK
	a9-p21a	»		a27-p16a(X)	5- ϛΛ,Z,ΞK
	a9-p23a	6- EΛ,Z,–		a27-p16a	»
	a9-p26a	7- EΛ,H,ΞK			

Tigranes II, Artaxata Mint (Drachms)

Pl.	a-p No.	Grp.-Ltr.	Pl.	a-p No.	Grp.-Ltr.
86	a25-p13a	4- ϛΛ,E,ΞK	87	a32-p33a	10-ϛΛ,Λ,ΞC
	a25-p14a	5- ϛΛ,ϛ,ΞK	88	a33-p35a	11- ϛΛ,Λ,ΞK
	a28-p17a	7- ϛΛ,H,ΞK		a33-p36a	- ϛΛ,Λ,ΞC
	a29-p18a(X)	- ϛΛ,H,ΞC		a33-p36b	»
	a29-p18a	»		a33-p37a	- –,Λ,ΞC
	a29-p19a	»		a35-p1a	1- ZΛ,A,ΞK
	a29-p20a	»		a36-p2a(X)	- ZΛ,–,ΞK
	a29-p22c	»		a36-p2a	»
	a29-p22d	»		a36-p2d	»
	a29-p23a	»		a37-p2g	»
87	a30-p25b	8- ϛΛ,Θ,ΞC		a37-p3a	- ZΛ,–,ΞC
	a30-p26a	»	89	a37-p3b(X)	»
	a31-p28a	9- ϛΛ,I,ΞC		a37-p3b	»
	a31-p28b	»		a37-p4a	»
	a31-p29a	»		a39-p2a	2- HΛ,Δ,ΞK
	a31-p30a	»		a40-p3a	- HΛ,Δ,–
	a31-p31a(X)	»		a41-p1a	1- ΘΛ,–,ΞK
	a31-p31a	»		a42-p1a	1- A/ Ξ,A,–
	a32-p32a	10-ϛΛ,K,ΞC			

Tigranes II, Fractional Drachms

Pl.	a-p No.	Rev. Description	Pl.	a-p No.	Rev. Description
89	a43-p1a	Tyche	89	a45-p1a	Quadriga
	a44-p1a	Elephant		a46-p1a	Quadriga

Tigranes II, Copper Coins

Pl.	No.	Rev. Description	Pl.	No.	Rev. Description
90	A	Damascus Tyche	90	C	Artaxata Tyche
	B	Tyche with comet		D	Commagene lion

Tigranes II, Counterfeits

Pl.	A-P No.	Grp.-Ltr.	Pl.	A-P No.	Grp.-Ltr.
90	c/f A1-P1n	[illegible] , Θ	91	c/f A6-P2i	Σ, [illegible]
	c/f A3-P2a	[illegible],		c/f A7-P1	[illegible]
	c/f A4-P3a	[illegible],		c/f A8-P1c	Δ , M , H
	c/f A5-P1b	Holding head		c/f A8-P1d	»
	c/f A5-P2f	Σ, [illegible]		c/f A9-P2a	»

Tigranes II, Counterfeits

Pl.	a-p No.	Grp.-Ltr.	Pl.	a-p No.	Grp.-Ltr.
91	c/f a1-p1a	EΛ , ΞC	91	c/f a5-p1a	EΛ, ΞC
	c/f a2-p2b	ϛΛ, Δ		c/f a6-p1a	Cornucopia
	c/f a3-p1a	ZΛ		c/f Æ	»
	c/f a4-p1a	o, [illegible] , A			

Artavasdes II (56-34 B.C.), Tetradrachms, Drachms, Counterfeits

Pl.	A-P No.	Grp.-Ltr.	Pl.	A-P No.	Grp.-Ltr.
92	A1-P1a	1- [illegible] , IZ	93	a2-p7a	1- [illegible] , Ϛ
	A2-P2a(X)	»		a3-p8a	»
	A2-P2a	»	94	a4-p9a	2- [illegible] , Z
	A3-P3a	2- [illegible] , IH		a5-p10a	»
	a1-p1a(X)	1- [illegible] , Ϛ		a6-p11a	3- [illegible] , IZ
93	a1-p1a	»		E (o/s Æ)	Nike
	a1-p2a	»			
	a1-p3a	»		**Counterfeits**	
	a1-p4a	»		c/f A1-P1a	1- [illegible] , Ϛ
	a1-p5a(X)	»		c/f a1-p1a	1- [illegible]
	a1-p5a	»		c/f a2-p2c	»
	a2-p6a	»		c/f a3-p3a	»

Artaxias II (34- 20 B.C.),
Drachms

Pl.	a-p No.	Grp.-Rev.	Pl.	a-p No.	Grp.-Rev.
94	a2-p4a(X)	2- Nike	95	a2-p3a	1- Athena
95	a1-p1a	1- Athena		a2-p4a	2- Nike
	a2-p2a	»			

Tigranes III (20-8 B.C.)
Drachms, Hemidrachms, Æ

Pl.	a-p No.	Grp.-Rev.	Pl.	a-p No.	Grp.-Rev.
95	a1-p1a(X)	1- Figure	95	a1-p1a	2-Nike
	a1-p1a	»		a1-p1b	»
	F (Æ)	Nike		G (Æ)	Elephant

Artavasdes IV-Augustus (A.D. 4-6)
Drachms, Æ

Pl.	a-p No.	Grp.-Rev.	Pl.	a-p No.	Grp.-Rev.
96	a1-p1a	1-Augustus	96	a2-p2a	1-Augustus
	a1-p1b	»		a3-p3a	»
	a1-p1c(X)	»		H (Æ)	»
	a1-p1c	»			

Germanicus-Artaxias III (A.D. 18-34)

Pl.	No.	Description	Pl.	No.	Description
96	J (AR)	Didrachm	96	K (AR	Drachm

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A1-P1a

A1-P2a

A1-P3a

A1-P5a

A1-P7c

A1-P8a

A1-P9a

Tigranes II, Antioch mint

A1-P11a

A1-P12a

A1-P13b

A1-P15c (X)

A1-P14a

Tigranes II, Antioch mint

A1-P15c

A1-P16a

A1-P17a

A1-P19a

A1-P23a

A1-P24a

A1-P25a

Tigranes II, Antioch mint

A1-P27a

A1-P31a

A1-P32a

A1-P33a

A1-P35a

A1-P36a

A1-P37b

Tigranes II, Antioch mint

A2-P38a

A2-P39a

A2-P40a

A2-P42a (X)

A2-P42a

Tigranes II, Antioch mint

A2-P43a

A2-P44a

A2-P46d

A2-P47a

A2-P48a

A2-P50a

A2-P51a

Tigranes II, Antioch mint

A2-P52b

A2-P54c

A2-P55a

A2-P56a

A2-P59c

A2-P60a

A2-P64a

Tigranes II, Antioch mint

A3-P65a (X)

A3-P65a

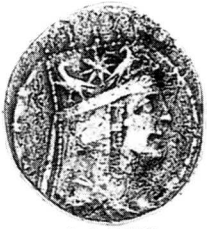
A3-P65e

A4-P66a

A4-P67a

Tigranes II, Antioch mint

A4-P70a



A4-P72a

A5-P74a

A5-P75a

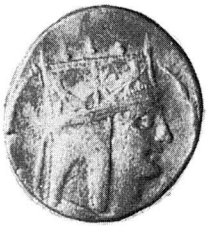
A6-P76a

A6-P77a

A6-P78a

Tigranes II, Antioch mint

A7-P86a (X)



A6-P82a

A7-P84d

A7-P86a

A7-P87a

Tigranes II, Antioch mint

A7-P88a

A7-P89a

A7-P90a

A8-P91a

A8-P92a

A10-P94a

A10-P96a

Tigranes II, Antioch mint

A10-P97a

A10-P98a

A10-P99a

A10-P103a (X)

A10-P101a

Tigranes II, Antioch mint

A10-P103a

A10-P103c

A10-P104c

A10-P105a

A10-P107b

A10-P107c

A10-P109a

Tigranes II, Antioch mint

A11-P111a (X)

A11-P110a

A11-P111a

A12-P112a

A13-P113a

Tigranes II, Antioch mint

A14-P114a

A14-P115a

A14-P115b

A14-P116a

A14-P117a

A14-P118b

A14-P119a

Tigranes II, Antioch mint

A15-P1c (X)

A15-P1a

A15-P1b

A15-P1c

A16-P1e

Tigranes II, Antioch mint

A17-P3a

A17-P4c

A17-P5a

A17-P6a

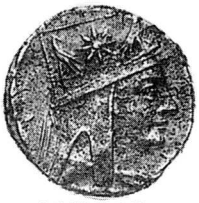
A17-P7a

A17-P8a

A17-P9a

Tigranes II, Antioch mint

A17-P10a



A17-P15a

A17-P17a

A19-P22a (X)

A17-P18a

Tigranes II, Antioch mint

A19-P21a

A19-P22a

A19-P23a

A19-P24a

A19-P25b

A19-P26a

A19-P27a

Tigranes II, Antioch mint

A19-P29a

A19-P31a

A19-P33a

A20-P34a

A20-P35a

A21-P36a

A21-P37a

Tigranes II, Antioch mint

A21-P38b

A21-P39b

A21-P41a

A21-P42a (X)

A21-P41d

Tigranes II, Antioch mint

A21-P42a

A21-P42b

A21-P43a

A22-P47d (X)

A21-P44a

Tigranes II, Antioch mint

A21-P45a

A22-P47d

A22-P48a

A22-P52a (X)

A22-P49b

Tigranes II, Antioch mint

A22-P51a

A22-P52a

A22-P53a

A22-P54a

A22-P56a

A22-P57b

A22-P57c

Tigranes II, Antioch mint

A22-P59a

A22-P62a

A22-P63a

A22-P64a

A22-P65a

A23-P66a

A24-P67a

Tigranes II, Antioch mint

A24-P68a

A25-P70a

A25-P71a

A26-P72a

A26-P73a

A26-P74b

A26-P76a

Tigranes II, Antioch mint

A26-P77a

A26-P78a

A27-P79a

A28-P84a (X)

A28-P80a

Tigranes II, Antioch mint

A28-P81a

A28-P82a

A28-P84a

A29-P85a

A29-P86a

A30-P86c

A31-P87a

Tigranes II, Antioch mint

A31-P88a (X)

A31-P88a

A32-P1a

A32-P2b

A32-P3a

Tigranes II, Antioch mint

A32-P3c

A32-P4a

A32-P5b

A32-P7a

A32-P8a

A32-P9b

A32-P9c

Tigranes II, Antioch mint

A32-P11a

A32-P12a

A32-P13a

A32-P16a

A32-P18b

A32-P19a

A32-P20a

Tigranes II, Antioch mint

A32-P21a

A32-P22a

A32-P23a

A33-P27a (X)

A33-P27a

Tigranes II, Antioch mint

A33-P28a

A33-P31a

A33-P31c

A33-P32a

A33-P33b

A33-P35c

A33-P36a

Tigranes II, Antioch mint

A33-P38a

A33-P40a

A33-P41a

A34-P42a

A34-P45a

A34-P45d

A34-P51a

Tigranes II, Antioch mint

A34-P52a (X)

A34-P52a

A34-P52b

A34-P57a

A34-P59a

Tigranes II, Antioch mint

A34-P60a

A34-P64a

A34-P66a

A34-P66c (X)

A34-P66c

Tigranes II, Antioch mint

A34-P67a

A34-P68a

A34-P69a

A35-P70a (X)

A35-P70a

Tigranes II, Antioch mint

A35-P70c

A36-P73b

A37-P75a

A38-P76b

A39-P77a

A39-P78a

A39-P81a

Tigranes II, Antioch mint

A39-P81b

A39-P82a

A39-P83a

A39-P84b

A39-P85a

A39-P86a

A39-P87a

Tigranes II, Antioch mint

A39-P88a

A39-P88b

A39-P89b

A39-P90a

A39-P91a

A39-P92a

A39-P93a

Tigranes II, Antioch mint

A39-P95b (X)

A39-P93c

A39-P95b

A39-P96a

A39-P98a

Tigranes II, Antioch mint

A40-P100a

A40-P100b

A41-P101c

A41-P102a

A41-P102b

A41-P103b

A41-P104a

Tigranes II, Antioch mint

A41-P105a

A41-P106a

A41-P111a

A41-P114a (X)

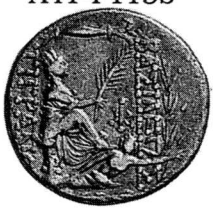
A41-P111b

Tigranes II, Antioch mint

A41-P113a

A41-P114a

A41-P115b



A41-P116c

A41-P117a

A41-P120a

A41-P120b

Tigranes II, Antioch mint

A41-P121a

A41-P122b

A41-P123a

A41-P125a

A41-P128a

A41-P128b

A41-P129a

Tigranes II, Antioch mint

A41-P130a

A41-P130b

A42-P131a

A42-P132a

A42-P132b

A42-P133a

A42-P134a

Tigranes II, Antioch mint

A42-P135a (X)

A42-P135a

A42-P136a

A42-P139a

A43-P140a

Tigranes II, Antioch mint

A43-P141c (X)

A43-P141c

A43-P142a

A43-P143a

A43-P143c

Tigranes II, Antioch mint

A45-P149a (X)

A45-P148a

A45-P149a

A45-P150a

A45-P151a

Tigranes II, Antioch mint

A46-P1a

A47-P1a

A47-P3a

A48-P4a

A48-P6a

A48-P7c

A48-P7f

Tigranes II, Antioch mint

A48-P8a

A48-P9b

A48-P10b

A48-P10d

A48-P11a

A48-P12d

A48-P12i

Tigranes II, Antioch mint

A48-P13b

A48-P13d

A48-P14a

A48-P17a (X)

A48-P15a

Tigranes II, Antioch mint

A48-P15b

A48-P16b

A48-P17a

A48-P18a

A48-P18b

A48-P19a

A48-P20a

Tigranes II, Antioch mint

A48-P21b

A48-P21c

A48-P22a

A48-P24g (X)

A48-P23a

Tigranes II, Antioch mint

A48-P24d

A48-P24f

A48-P24g

A49-P1a

A49-P1b

A49-P2a

A49-P4a

Tigranes II, Antioch mint

A49-P9a (X)

A49-P6a

A49-P7a

A49-P9a

A49-P10a

Tigranes II, Antioch mint

A50-P11a

A50-P12a

A52-P14a

A53-P17a (X)

A53-P15a

Tigranes II, Antioch mint

A53-P16a

A53-P17a

A53-P17b

A53-P18a

A53-P19a

A54-P20a

A55-P23a

Tigranes II, Antioch mint

A55-P25a

A55-P27a

A55-P29a

A55-P35a (X)

A55-P30a

Tigranes II, Antioch mint

A55-P31a

A55-P32a

A55-P33a

A56-P38a (X)

A55-P35a

Tigranes II, Antioch mint

A55-P36a

A56-P38a

A57-P39a

A57-P40a

A57-P41a

A57-P42a

A57-P43b

Tigranes II, Antioch mint

A57-P45a

A57-P47a

A57-P49a

A57-P49e (X)

A57-P49e

Tigranes II, Antioch mint

A57-P50a

A57-P50.1a

A57-P51b

A57-P52a

A57-P55a

A57-P57a

A57-P58a

Tigranes II, Antioch mint

A57-P61a

A57-P62a

A57-P63a

A58-P69a (X)

A57-P63b

Tigranes II, Antioch mint

A57-P64a

A58-P66a

A58-P69a

A58-P74a

A58-P75a

A58-P76a

A58-P77a

Tigranes II, Antioch mint

A60-P79b (X)

A58-P78c

A59-P79a

A60-P79b

A60-P81a

Tigranes II, Antioch mint

A60-P81b

A60-P83a

A60-P83b

A60-P84a

A60-P84b

A60-P84c

A60-P85a

Tigranes II, Antioch mint

A60-P85b

A60-P86a

A60-P88a

A61-P90a

A61-P92a

A61-P93a

A61-P96a

Tigranes II, Antioch mint

A61-P98a

A61-P99a

A61-P101a

A61-P102a

A61-P103a

A61-P105a

A61-P106a

Tigranes II, Antioch mint

A63-P1c (X)

A62-P1a

A63-P1a

A63-P1c

A63-P1g

Tigranes II, Antioch mint

A63-P2a

A63-P3c

A63-P3d

A63-P4a

A63-P4d

A63-P5a

A63-P5b

Tigranes II, Antioch mint

A64-P6a (X)

A64-P6a

A64-P7c

A64-P7d

A64-P8a

Tigranes II, Antioch mint

A65-P1a (X)

A65-P1a

A65-P3a

A65-P4a

A65-P6a

Tigranes II, Antioch mint

A65-P6.1a

A65-P7a

A65-P8b

A65-P9a

A65-P10a

A65-P11a

A65-P12b

Tigranes II, Antioch mint

A66-P17a (X)

A65-P13a

A65-P15a

A66-P17a

A67-P18a

Tigranes II, Antioch mint

A2-P2a (X)

A1-P1a

A2-P1a

A2-P2a

A3-P1a

Tigranes II, Damascus mint

Damascus | Satellite mint of Damascus

A4-P1a

A4-P2a

A1-P1a

A3-P3a (X)

A1-P2a

Tigranes II, Damascus mint, Satellite mint of Damascus

A2-P2b

A3-P3a

A3-P4a

A4-P1a

A4-P2a

A4-P3b

A4-P4a

Tigranes II, Satellite mint of Damascus (comet on tiara)

Satellite mint of Damascus

a1-p1a (X)

a1-p1a

a1-p1b

a1-p1c

a1-p1d

a2-p1a

Artaxata

A2-P1a (X)

Tigranes II, Satellite mint of Damascus, Artaxata mint

A2-P1a

A2-P2a

A2-P3a

A3-P1a

A3-P2a

A3-P2b

A3-P3a

Tigranes II, Artaxata mint

A3-P3b

a1-p1a

A4-P1a

a2-p1a

a3-p1a

a3-p3a

a3-p3b

a4-p5a (X)

a4-p5a

Tigranes II, Artaxata mint

a3-p3c

a6-p6a

a7-p7a

a7-p8a

a8-p11a (X)

a8-p11a

a8-p10a

a9-p14a

a9-p16a

a9-p17a

Tigranes II, Artaxata mint

a9-p20a (X)

a9-p20a

a9-p21a

a9-p23a

a9-p26a

a9-p27a

a11-p31b (X)

a11-p31b

Tigranes II, Artaxata mint

a11-p30a

a12-p32a

a12-p32b

a18-p43a

a20-p3a (X)

a20-p3a

a19-p1a

a20-p3b

a21-p5a

a21-p7c

Tigranes II, Artaxata mint

a22-p9a (X)

a22-p9a

a22-p8b

a23-p10a

a23-p11a

a24-p12a

a27-p16a (X)

a27-p16a

Tigranes II, Artaxata mint

a29-p18a (X)

a29-p18a

a25-p13a

a25-p14a

a28-p17a

a29-p19a

a29-p20a

a29-p22c

a29-p22d

a29-p23a

Tigranes II, Artaxata mint

a30-p25b

a30-p26a

a31-p28a

a31-p28b

a31-p31a (X)

a31-p31a

a31-p29a

a31-p30a

a32-p32a

a32-p33a

Tigranes II, Artaxata mint

a33-p35a

a33-p36a

a33-p36b

a33-p37a

a36-p2a (X)

a36-p2a

a35-p1a

a36-p2d

a37-p2g

a37-p3a

Tigranes II, Artaxata mint

a37-p3b (X)

a37-p3b

a37-p4a

a39-p2a

a40-p3a

a41-p1a

a42-p1a

Fractional drachms

a43-p1a

a44-p1a

a45-p1a

a46-p1a

Tigranes II, Artaxata mint, Fractional drachms

Coppers

A

B

C

D

c/f A1-P1n

c/f A3-P2a

c/f A4-P3a

c/f A5-P1b

c/f A5-P2f

Tigranes II, Copper coins, Counterfeits

c/f A6-P2i

c/f A7-P1a

c/f A8-P1c

c/f A8-P1d

c/f A9-P2a

c/f a1-p1a

c/f a2-p2b

c/f a3-p1a

c/f a4-p1a

c/f a5-p1a

c/f a6-p1a

c/f Æ

Tigranes II, Counterfeits

A2-P2a (X)

A1-P1a

A2-P2a

A3-P3a

a1-p1a (X)

Artavasdes II

a1-p1a

a1-p2a

a1-p3a

a1-p4a

a1-p5a (X)

a1-p5a

a2-p6a

a2-p7a

a3-p8a

Artavasdes II

Artavasdes II

a4-p9a

a5-p10a

a6-p11a

E (Æ)

Artavasdes II — counterfeits

c/f A1-P1a (72%)

c/f a1-p1a

c/f a2-p2c

c/f a3-p3a

Artaxias II

a2-p4a (X)

Artavasdes II, Artaxias II

Artaxias II

a1-p1a

a2-p2a

a2-p3a

a2-p4a

Tigranes III drachms

a1-p1a (X)

a1-p1a

hemidrachms

F (Æ)

a1-p1a

a1-p1b

G (Æ)

Artaxias II, Tigranes III

Artavasdes IV

a1-p1c (X)

a1-p1a

a1-p1b

a1-p1c

a2-p2a

Artavasdes IV

a3-p3a

H (Æ)

Germanicus

J (AR)

K (AR)

Artavasdes IV, Germanicus-Artaxias III